CDX-5N10W

SERVICE MANUAL

US Model

Model Name Using Similar Mechanism	CDX-R88
Mechanism Type	MG-CDX-70A

SPECIFICATIONS

Laser Diode Properties

Material	GaAlAs
Wavelength	780 nm
Emission Duration	Continuous
Laser output power	Less than 44.6 μW* * This output is the value measured at a distance of about 200 mm from the objective lens surface on the Optical Pick-up Block.
Frequency response	5 – 20,000 Hz ±3.0 dB
Harmonic distortion	0.008% (1 kHz)
Dynamic range	85 dB (1 kHz)
Wow and flutter	Below measurable limit
Signal to noise ration	85 dB (1 kHz)

General

Power requirements	13.2 V dc (10.8 – 15.6 V) carbattery (negative ground)
Current drain	Below 3A (on plunger operation)
Operating temperature	−10°C to +50°C
Dimensions	180 x 50 x 157 mm (w/h/d)
Weight	1.3 kg

GENUINE NISSAN PARTS CAR AUDIO

Part No. : B8182 C9960 (CDX-5N10W/C) INSTALLATION ANGLE 0°–20°
: B8182 C9965 (CDX-5N10W/D) INSTALLATION ANGLE 20°–40°

CONFIRM THE TYPE OF THE SET ON SERVICING.
(SEE PAGE 5 FOR THE PROCEDURE)

COMPACT DISC PLAYER

SONY®

SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Flexible Circuit Board Repairing

1. Keep the temperature of the soldering iron at 270° ± 10°C during repairing.
2. Do not touch the soldering iron more than 4 seconds or 3 times on the same conductor of the circuit board.
3. Do not apply force on the conductor when soldering or unsoldering.

Tip of soldering iron

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capcitor may be damaged by heat.

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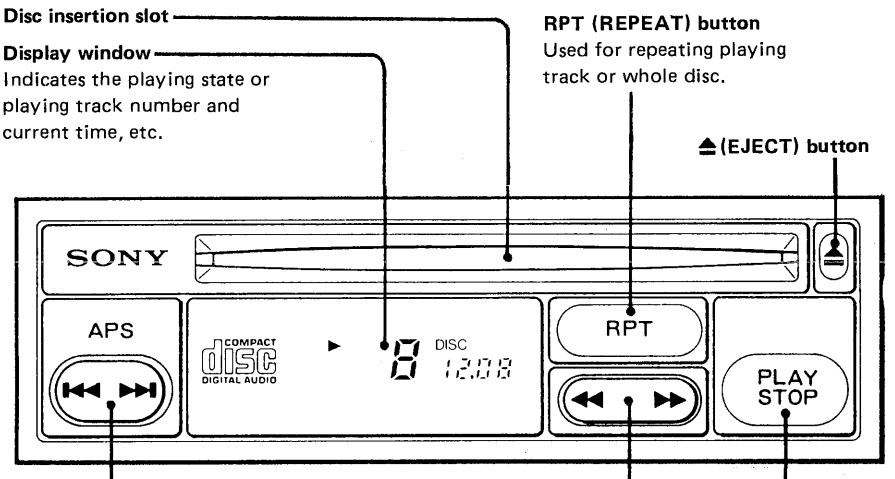
SECTION 1
GENERAL

Location and Function of Controls



APS (AUTOMATIC SELECTION) button
Used for locating the beginning of a desired selection.

PLAY/STOP button

◀◀ ▶▶ (manual search) button
Used for searching for a particular point.

INSTALLATION MANUAL

GENUINE NISSAN PARTS CAR AUDIO

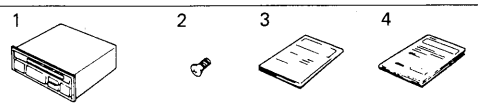
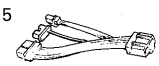
MANUEL DE MONTAGE

PIECES D'ORIGINE NISSAN PRODUITS SONORES D'AUTOMOBILES

NISSAN MOTOR CO., LTD.

PART NUMBER/NUMEROS DES PIECES: B8182 C9960 (CDX-5N10W/C) INSTALLATION ANGLE 0°~20°
B8182 C9965 (CDX-5N10W/D) INSTALLATION ANGLE 20°~40°

● KIT COMPOSITION / PIECES CONSTITUTIVES DU KIT

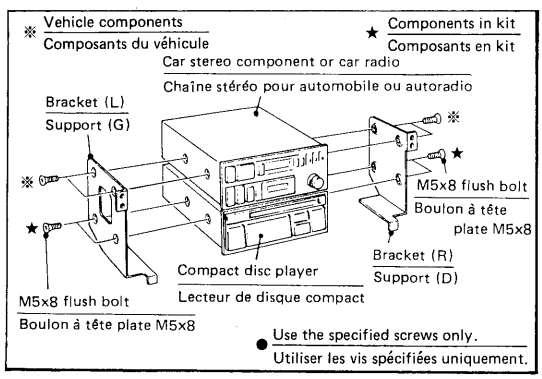
Number Numéro	Part Name / Nom de la pièce	Quantity Quantite	Illustration / Illustration
1	Compact disc player/Lecteur de disque compact	1	
2	M5x8 flush bolt/Boulon à tête plate m M5x8	4	
3	Installation manual/Manual Manuel de montage	1	
4	Owners manual/Manual de traialer	1	
5	Sub-Harness/ Reseau secondaire de cordons de raccordement	1	 ● B8182 C9960 only ● B8182 C9960 uniquement

●To attach the brackets

Secure the brackets to the audio equipment as illustrated. Be sure to use only the supplied M5x8 flush bolts for mounting the brackets on a compact disc player.

●Fixation des supports

Fixer les supports à l'appareil audio comme illustré. Pour fixer les supports sur un lecteur de disque compact, veiller à utiliser uniquement les boulons à tête plate M5x8 fournis.

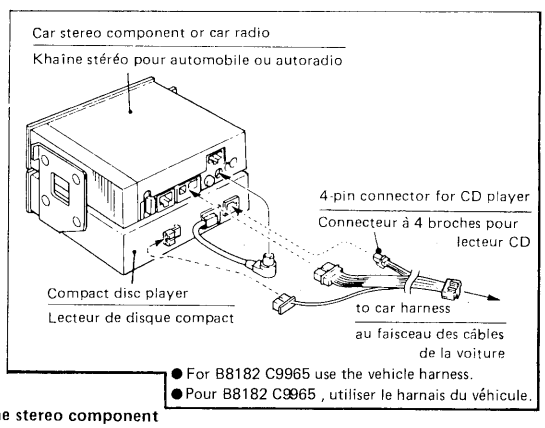


●To connect a CD player and car stereo component or car radio

Insert the 5P DIN plug of the CD player output to the 5P DIN connector of the CD input on the stereo component or radio.

●Raccordement à un lecteur CD et une chaîne pour automobile ou une autoradio

Insérer la fiche DIN à 5 broches de la sortie du lecteur CD au connecteur DIN à 5 broches de l'entrée CD, sur la chaîne stéréo pour automobile ou l'autoradio.


Car stereo component or car radio
Khaîne stéréo pour automobile ou autoradio
4-pin connector for CD player
Connecteur à 4 broches pour lecteur CD
Compact disc player
Lecteur de disque compact
to car harness
au faisceau des câbles de la voiture
● For B8182 C9965 use the vehicle harness.
● Pour B8182 C9965 , utiliser le harnais du véhicule.

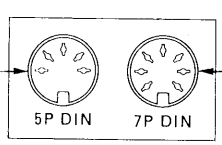
Rear panel of the stereo component
Pannueau arrière de la chaîne stéréo

CD connector

Insert the 5-pin DIN plug of the CD player output.

Connecteur CD

Insérer la fiche DIN à 5 broches de la sortie du lecteur CD.



Graphic equalizer connector

When mounting the CD player, insert the short plug supplied with the unit.

Connecteur de l'égaliseur graphique

Lors de l'installation du lecteur CD, insérer la fiche courte fournie avec l'appareil.

Caution: The position of the 5-pin DIN connector and 7-pin DIN connector of other stereo components may be different from that in the illustration. Make sure to connect the plug of the player to the 5-pin DIN connector on the stereo component.

Attention: La position du connecteur DIN à 5 broches et celle du connecteur DIN à 7 broches d'autres chaînes stéréo peuvent différer avec celles de l'illustration. Veiller à brancher la fiche du lecteur au connecteur DIN à 5 broches de la chaîne stéréo.

●To install

Connect a car radio, cigarette lighter, etc, as before. Then, installed them in the car in the reverse procedures of step.

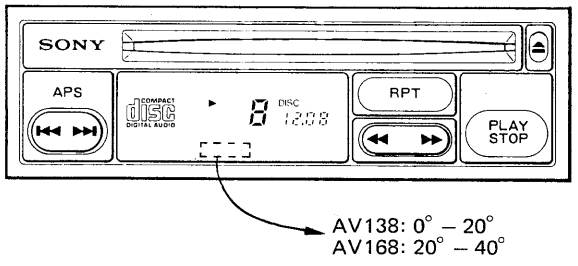
●Installation

Raccorder une autoradio, un allume-cigare, etc., comme auparavant.
Ensuite, les installer dans la voiture en suivant les démarches inversées de l'étape.

Mounting Angle Adjustment

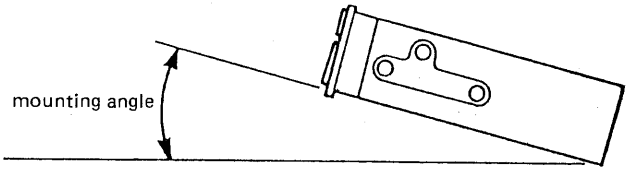
There are two types of CDX-5N10W.
One is for the mounting angle 0° to 20° (CDX-5N10W/C), the other is for 20° to 40° (CDX-5N10W/D).
Please identify by the following procedure.

– front view –



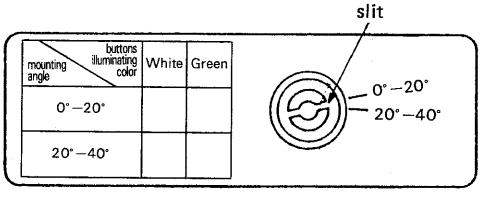
When changing the mounting angle, refer to the followings.
( ): for the type 20° to 40°.

No Adjustment Causes Dropout



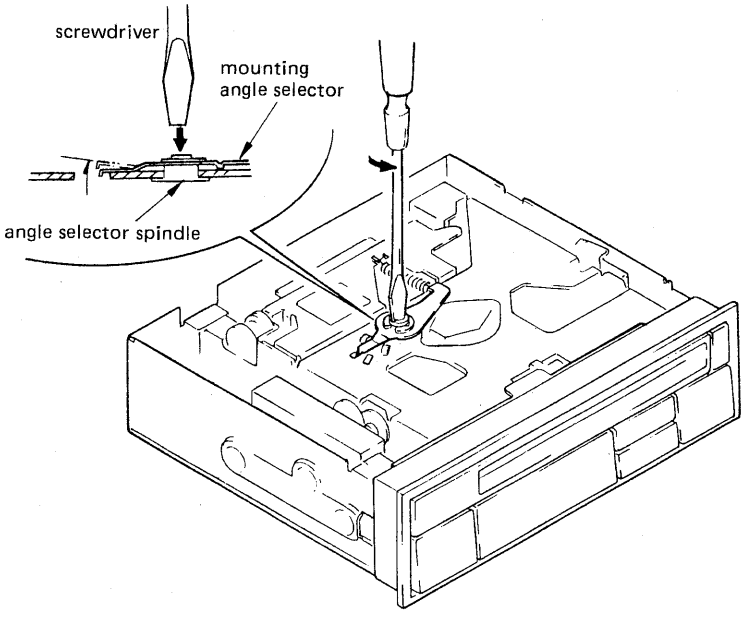
Procedure:

1. Remove the upper case.
2. Insert a screwdriver in the slit of mounting angle selector.
3. Turn the selector clockwise (counterclockwise) while pressing it with a screwdriver unit it stops. Then the slit of the selector becomes the indication 20° to 40° (0° to 20°).
4. Confirm the slit becomes the indication 20° to 40° (0° to 20°).

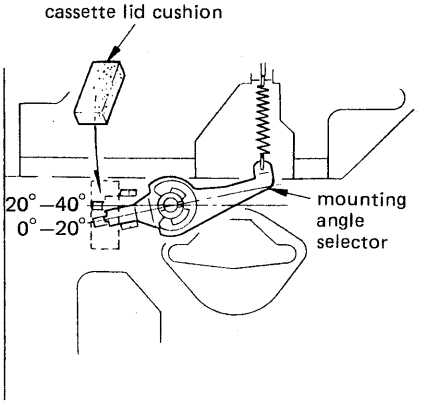


5. After the mounting angle adjustment, fix the mounting angle selector with the cassette lid cushion not to return to its original position.

By pressing the mounting angle selector with a screwdriver, it is released from the hole while it becomes the dotted line position.



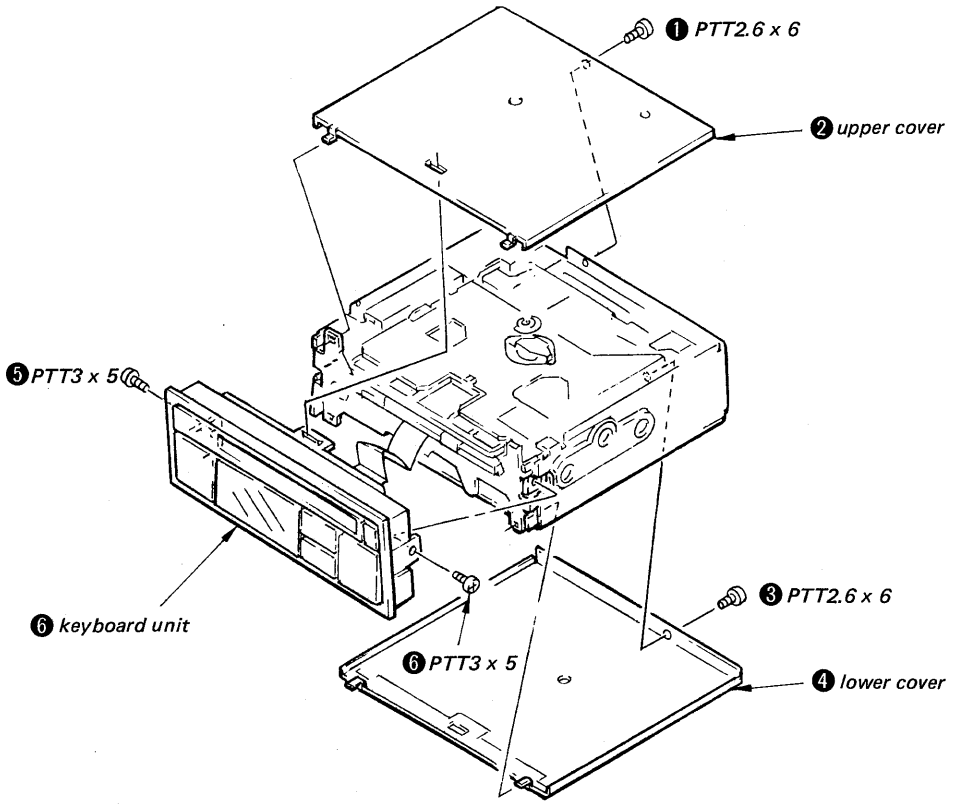
After the adjustment, fix the mounting angle selector with the cassette lid cushion not to return.



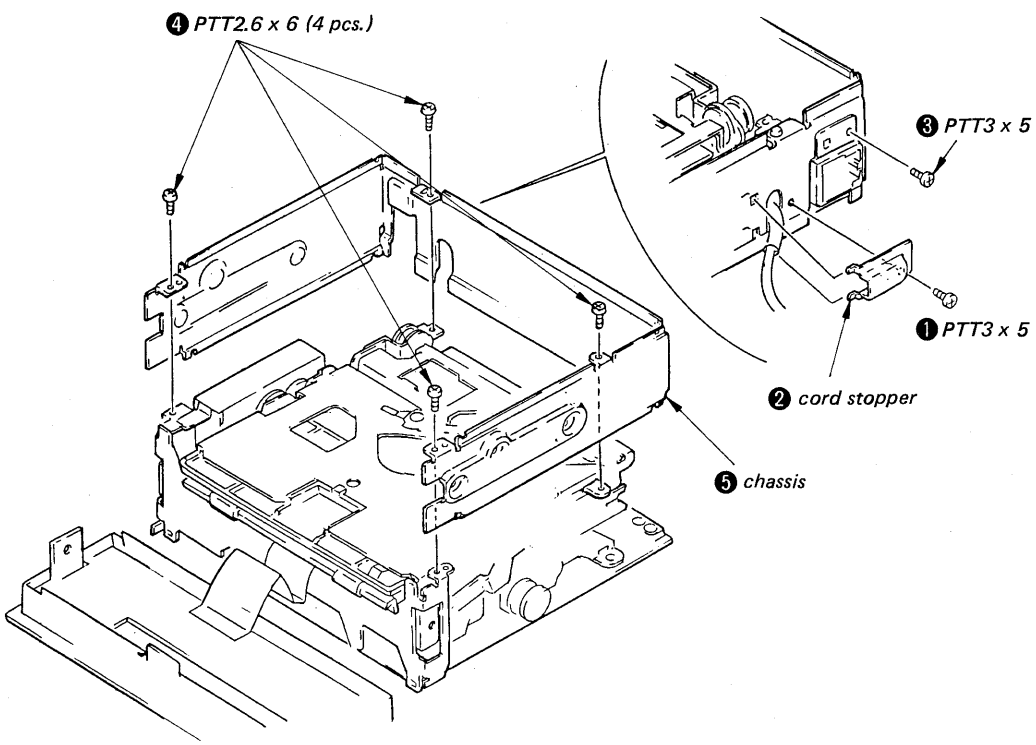
SECTION 2
DISASSEMBLY

COVERS (UPPER/LOWER) AND KEYBOARD UNIT

Note: Follow the disassembly procedure in the numerical order given.

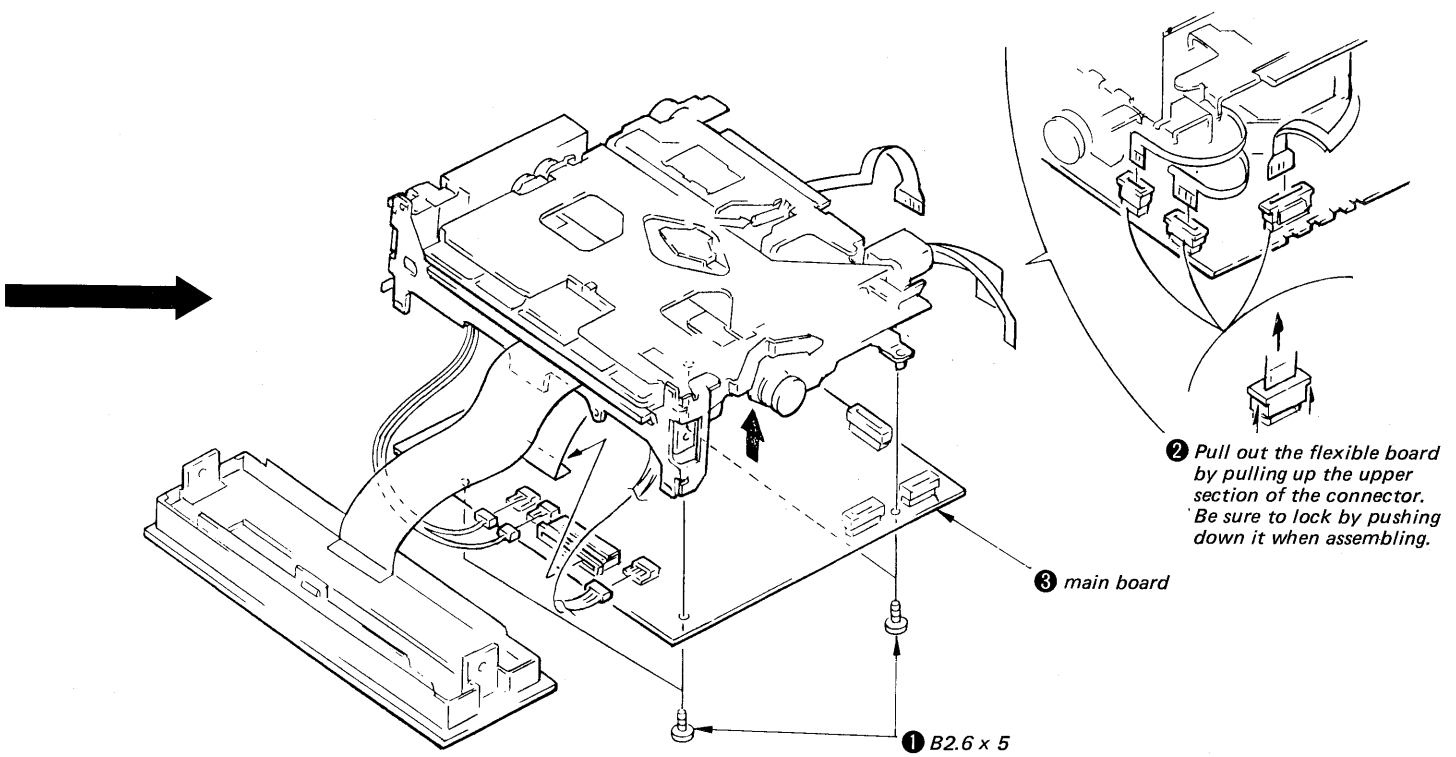


CHASSIS



MEMO

MAIN BOARD


❷ Pull out the flexible board by pulling up the upper section of the connector. Be sure to lock by pushing down it when assembling.
❸ main board
❶ B2.6 x 5

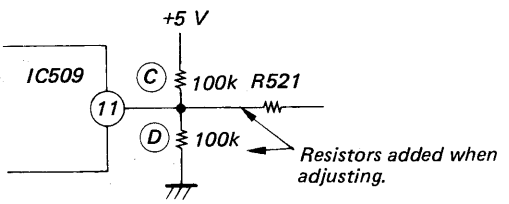
SECTION 3
ELECTRICAL ADJUSTMENTS

1. Perform adjustments as given.
2. Be sure to use the disc "YEDS-18" parts code: 3-702-101-01, but only when indicated.
3. Power supply voltage: DC 14.4 V (more than 2A)

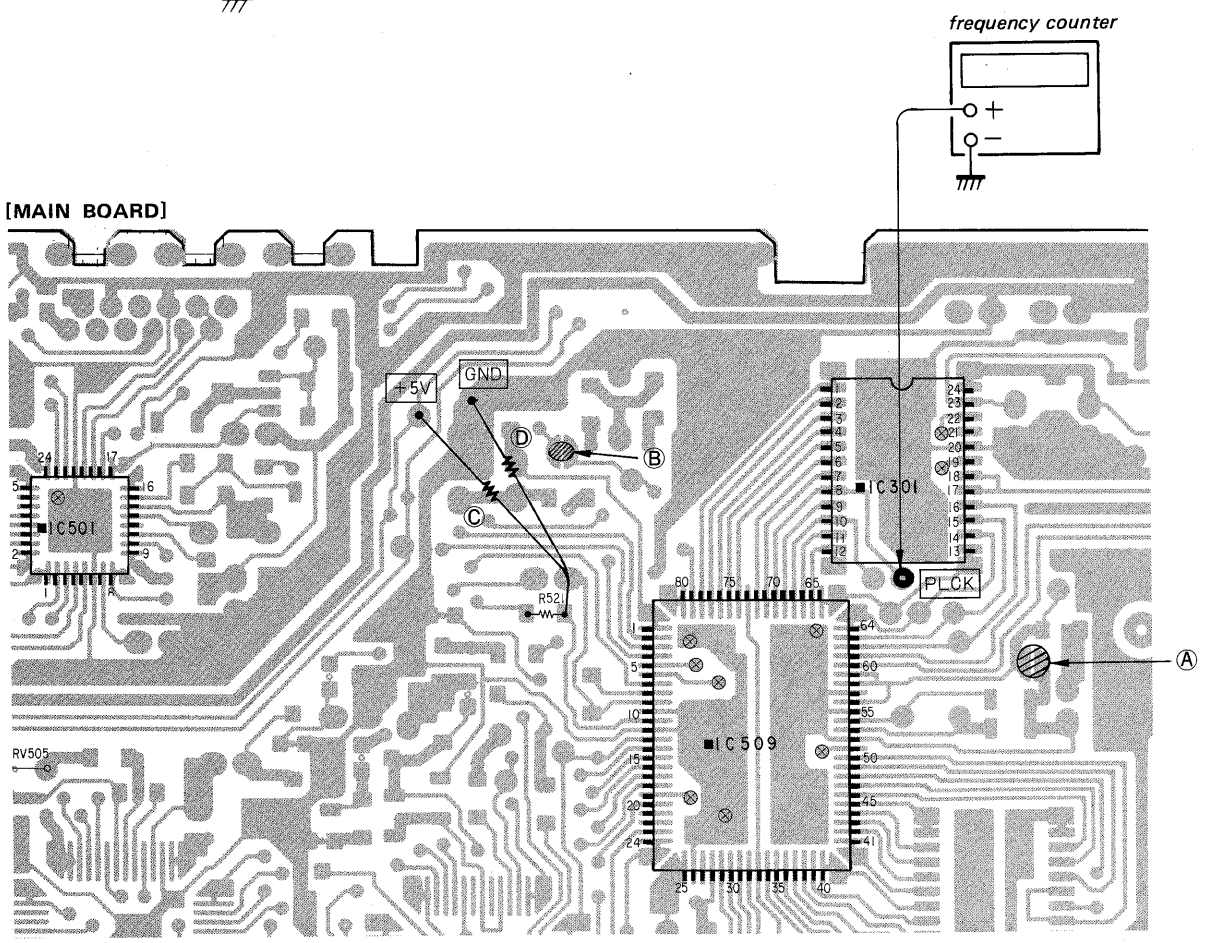
PLL Free Run Frequency Adjustment

Procedure:

1. Solder-bridge the main board point Ⓐ. (IC509 pin 59 is grounded)
2. Unsolder main board point Ⓑ. (Disconnect IC509 pin 5)
3. Connect 100 kΩ resistors to Ⓒ, Ⓓ. (This is to adjust the IC509 pin 11 voltage to 2.5 V)

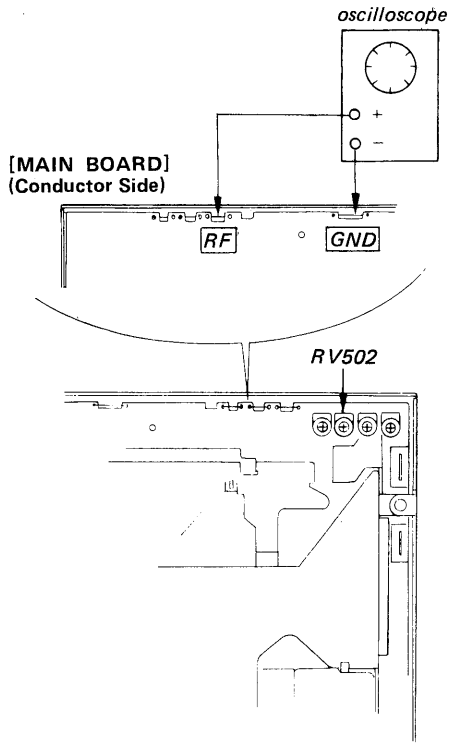


4. Connect the frequency counter to main board test point PLCK (IC509 pin 70).
5. Turn the power switch on (Do not use the disc), then adjust RV505 so that the frequency is 4.3218 MHz ±10 kHz.
6. After adjusting, reset 1, 2 and 3 as original.



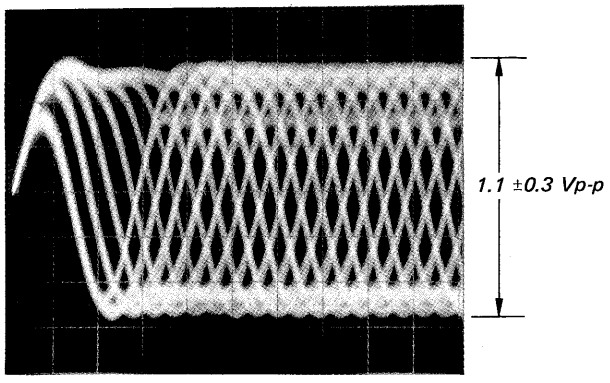
Focus Offset Adjustment

Procedure:



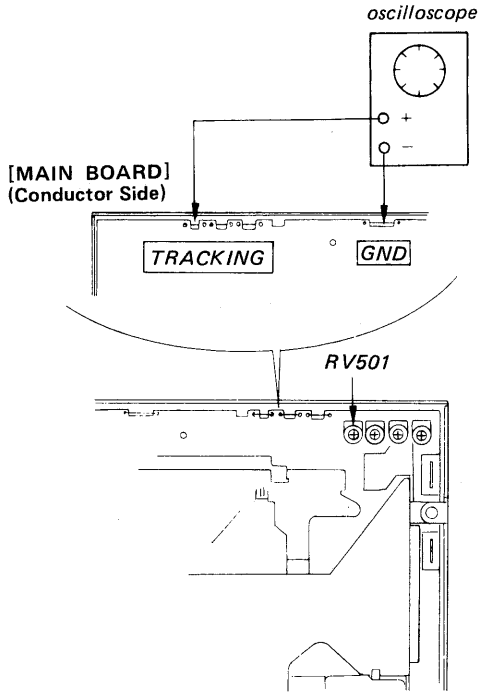
1. Connect the oscilloscope to main board test point RF.
2. Put the set into play mode by loading the disc.
3. Adjust main board RV502 so that the oscilloscope waveform eye pattern is good.
   A good eye pattern means that the diamond shape (◇) in the center of the oscilloscope can be clearly distinguished.

Volt/Div: 200 mV
Time/Div: 0.5 µSec



Tracking Offset Adjustment

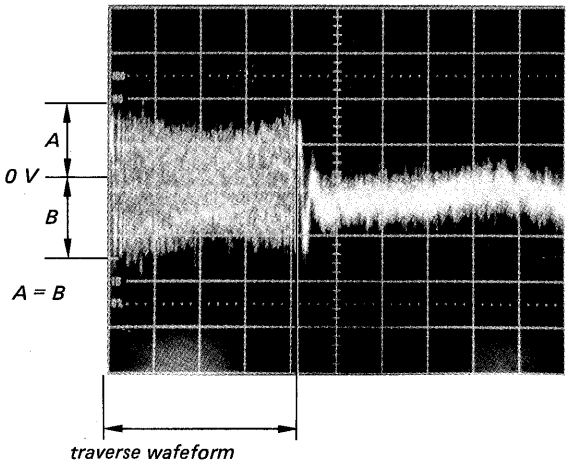
Procedure:



1. Connect the oscilloscope to main board test point TRACKING.
2. Put the set into play mode by loading the disc.
3. Press the |◀◀ or ▶▶| (or ◀◀ , ▶▶) button, then check the traverse waveform*.
4. Adjust RV501 (main board) so that oscilloscope reading is symmetrical in relation to 0 V.

*Traverse waveform: This is the tracking error waveform appears when crossing the track.

Volt/Div: 0.5 V
Time Div: 2 mSec
Center 0 V



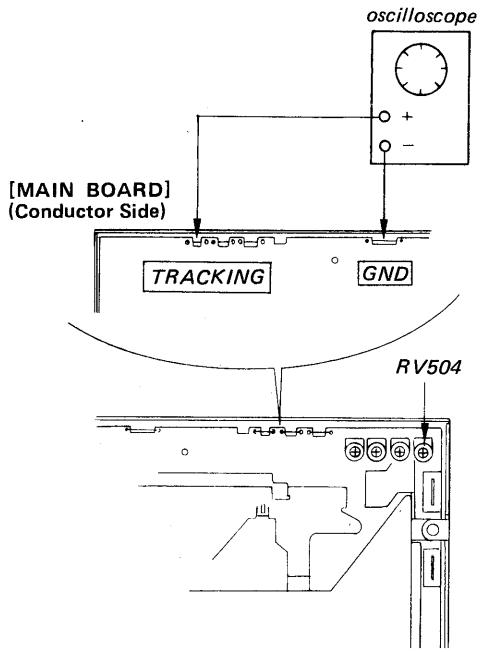
Tracking Gain Adjustment (rough adjustment)

This adjustment is to be performed when replacing the following parts.

- Optical Pick-up Block
- RV504

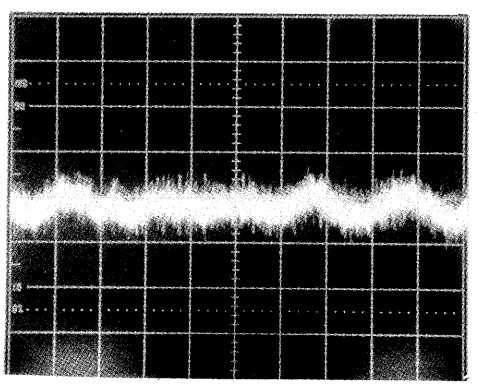
This adjustment should be performed after focus offset and tracking offset adjustment is completed.

Procedure:

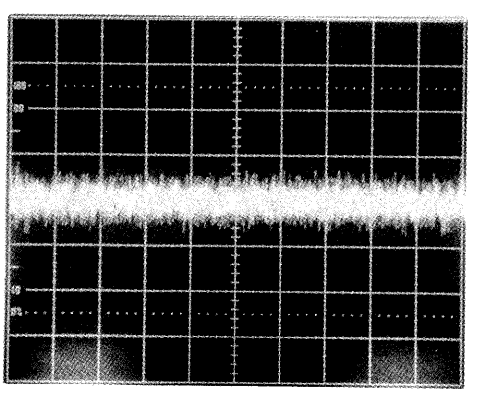


1. Connect the oscilloscope to main board test point TRACKING .
2. Put the set into play mode by loading the disc.
3. Turn main board RV504 counterclockwise, then check the ocilloscope waveform.
   Fix RV504 to the position that the waveform disappears.

Volt/Div: 0.5 V
Time/Div: 2 mSec

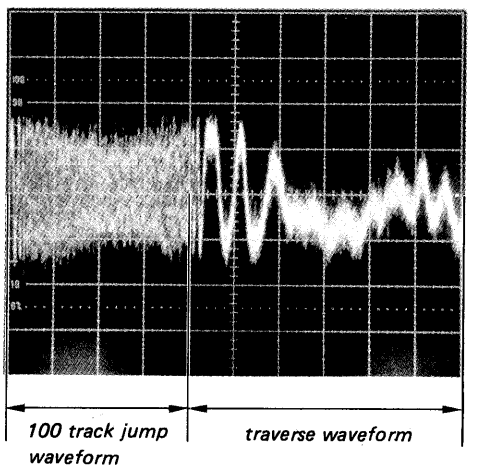


waveform when the wave appears

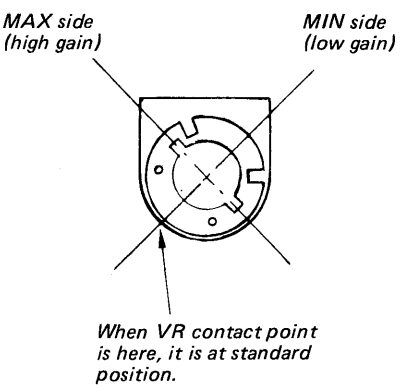


waveform when the wave disappeared

- **When gain is lowered . . .**
  When selecting by pressing |◀◀ or ▶▶| button, brake application is poor because of low tracking gain. Therefore, the traverse waveform appears after the 100 track jump waveform, then the selection will be located slowly.



- **When gain is highered . . .**
  Operation noise is heard due to a scratch or dust, then operation will be instability.



RV504 standard position

SECTION 4
DIAGRAM

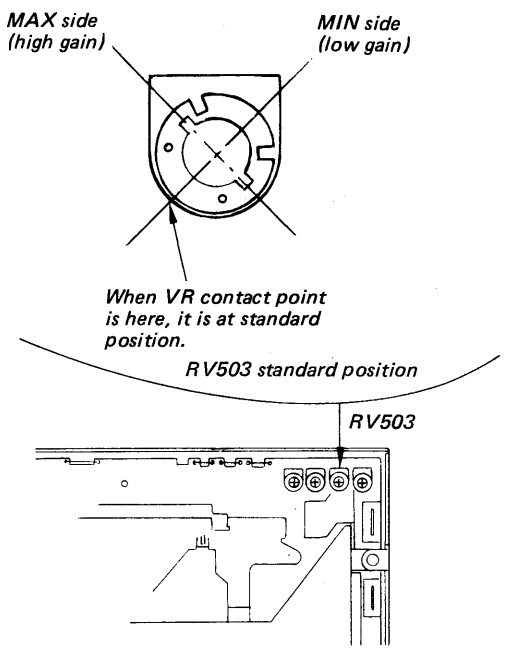
Focus Gain Adjustment (rough adjustment)

This adjustment is to be performed when replacing the following parts.

- Optical Pick-up Block
- RV503

Procedure:

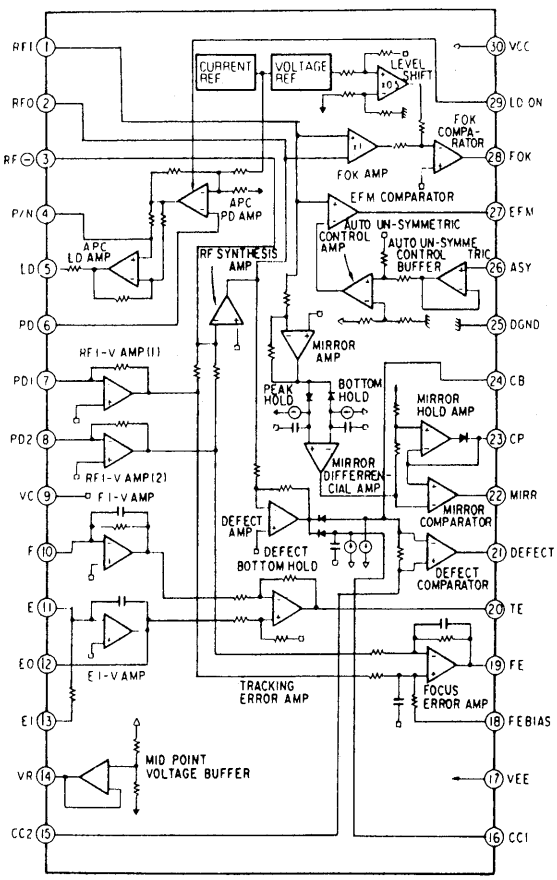
1. Set RV503 (main board) to the standard position.
2. Check that there is not an abnormal amount of operation noise (white noise) from the 2-axis devise. If there is, turn RV503 slightly counter-clockwise.



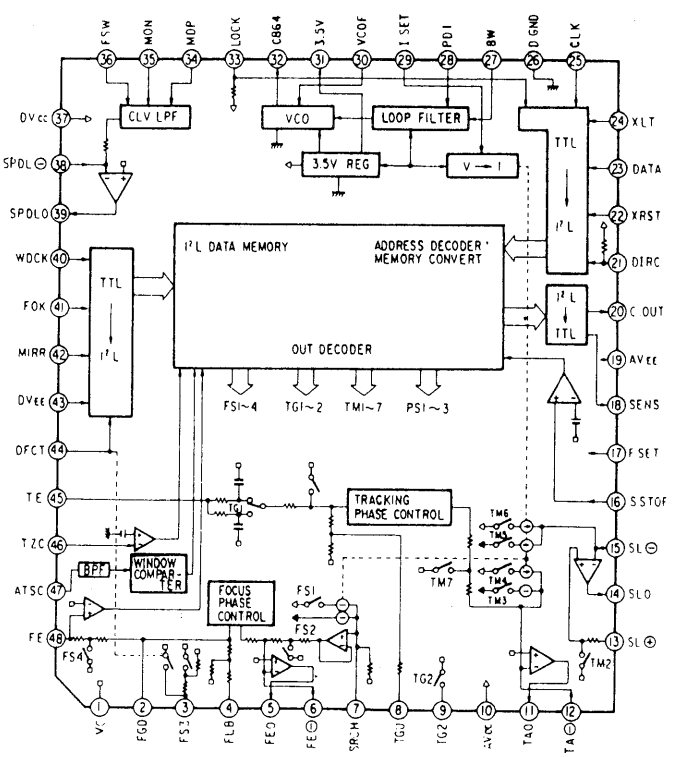
- **When gain is lowered . . .**
  The set does not play because of no focus operation.
- **When gian is highered . . .**
  Operation noise is heard due to a scratch or a dust, then operation will be instability.

• IC BLOCK DIAGRAMS

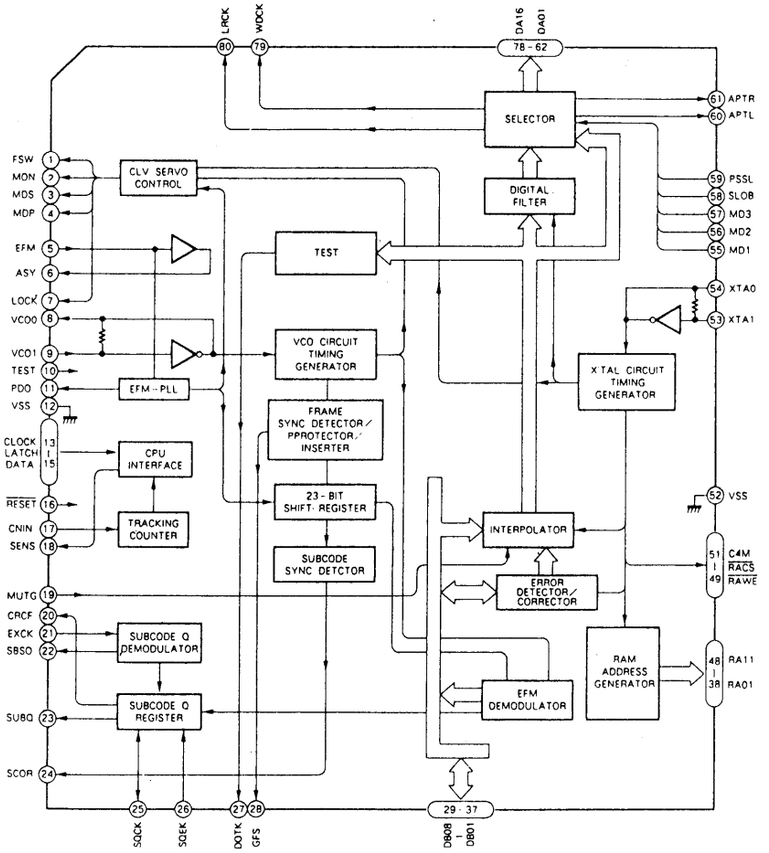
• IC501 CXA-1081Q



• IC502 CXA1082AQ

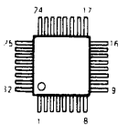


• IC503 CXD1130Q

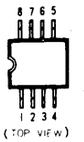


• Semiconductor Lead Layouts

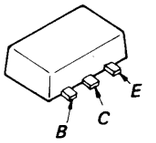
CXA1081Q



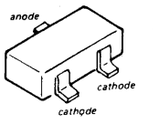
M5203FP



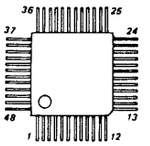
2SB1123
2SD1623



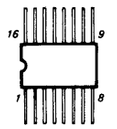
DCA015



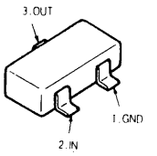
CXA1082AQ
MB88505H-530M
MB88505H-651M



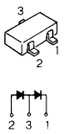
MB88201H-624M
MB88201H-629M
MB88201-534M
TC4053BFHB



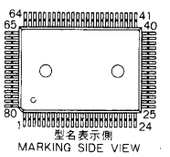
DTB113EK
DTD113ZK



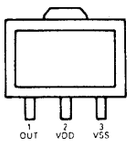
DCC010



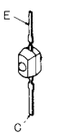
CXD1130Q



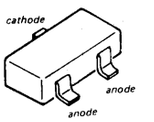
S-8054HN-CB



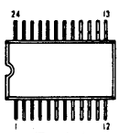
PN147-LF



DSB015

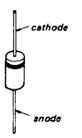


CXK5816M-10L
PCM55HP-S

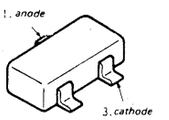


2SA812
2SA1179-M5
2SA1510
2SC2712
2SC3395
2SC3398

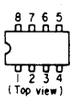
10E2
RD5.6EB2



DSC010

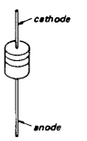


L272M

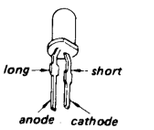


2SA1344

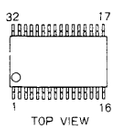
1SS133



TLR123



M54940FP



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ⊖ ▭▭▭ : B+ Line
- ⊖ ▭▭▭ : B− Line
- ⊖ ▭ : adjustment for repair.
- ⊖ Power voltage is dc 14.4 V and fed with regulated dc power supply from power voltage input cable.
- ⊖ Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- ⊖ Voltages are taken with a VOM (50 kΩ/V).
  Voltage variations may be noted due to normal production tolerances.
- ⊖ Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- ⊖ Signal path.
  ▶▶ : CD
- Switch

Ref. No.	Switch	Position
SW801	EJECT	OFF
SW802	PLAY/STOP	OFF
SW803	◀◀	OFF
SW804	RPT	OFF
SW805	▶▶	OFF
SW806	APS/ ⏮	OFF
SW807	APS/ ⏭	OFF
SW901	SHUTTER DET	OFF
SW902	LIMIT	OFF

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note on Mounting Diagram:

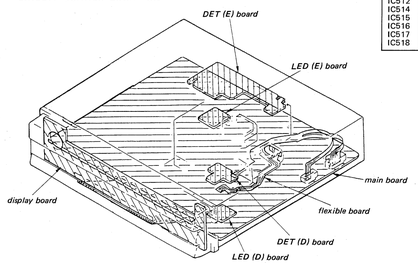
- Color code or sleeving over the end of the jacket.

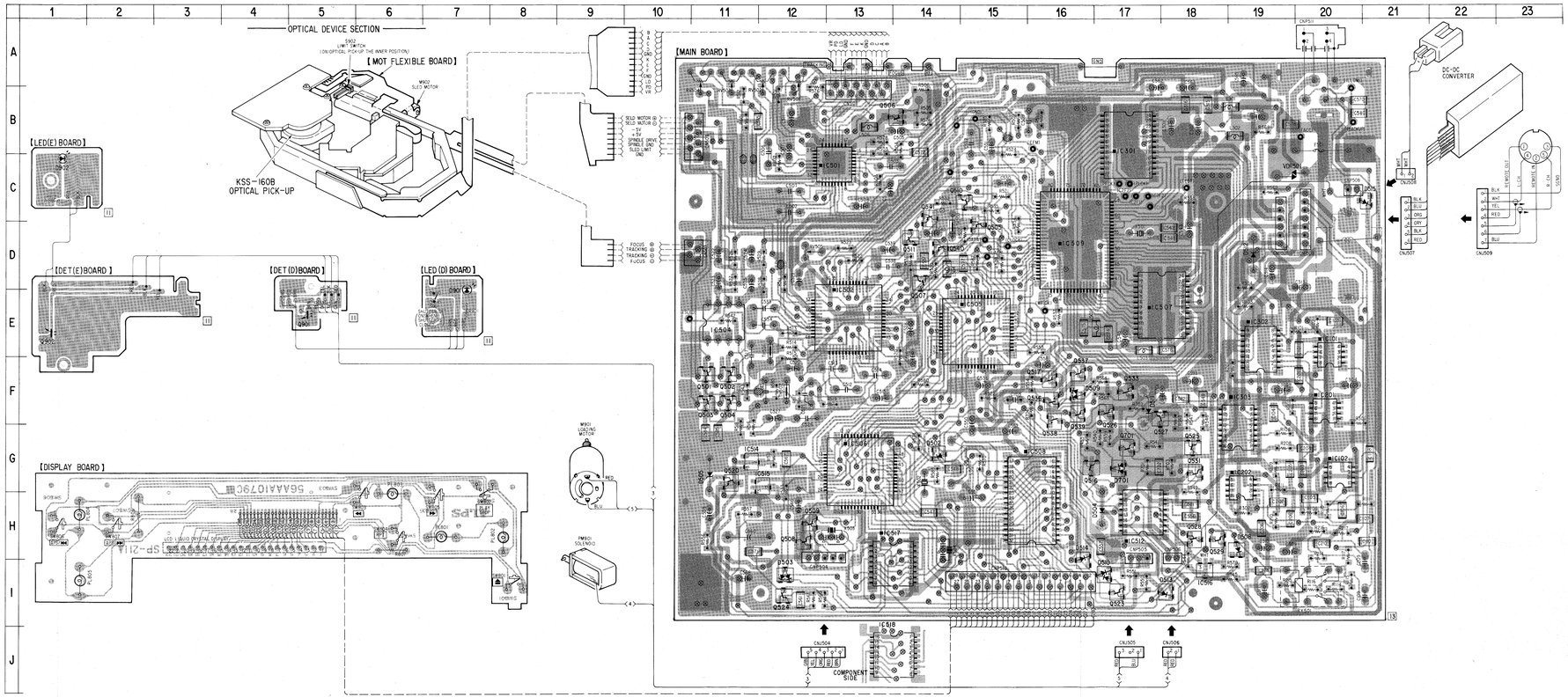
- ○—— : parts extracted from the component side.
- ●—— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ⊗ : Through hole.
- ▨ : Pattern on the side which is seen.
- ▨ : Pattern of the rear side.

● Semiconductor Location

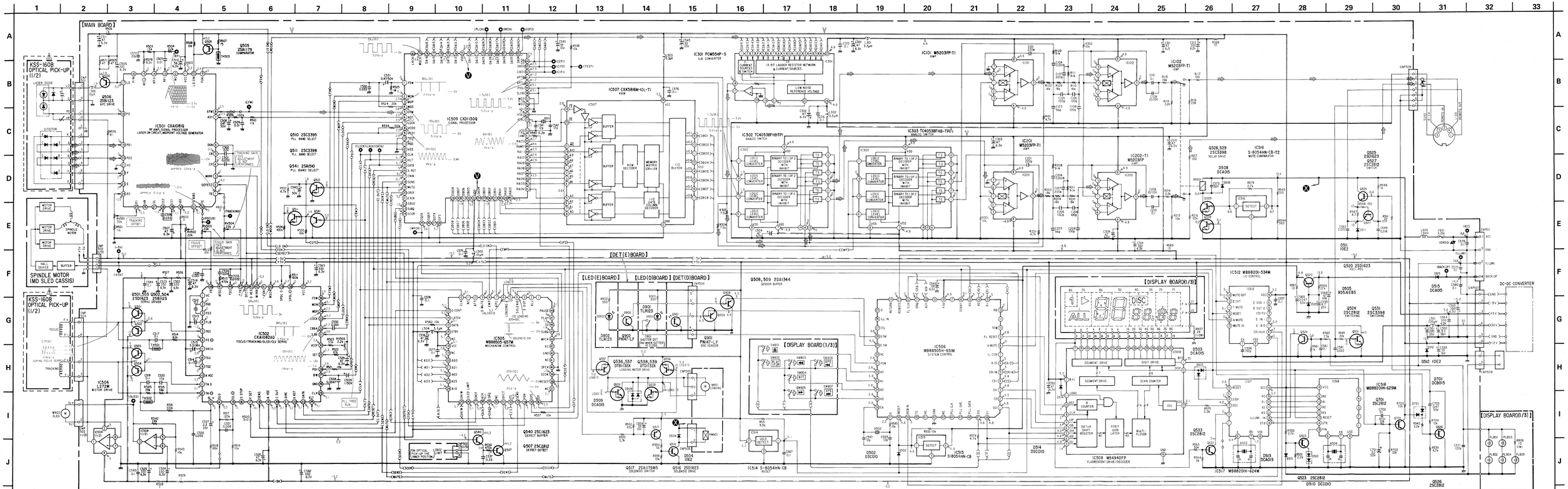
Ref. No.	Location	Ref. No.	Location
D502	G-14	Q501	F-11
D503	I-12	Q502	F-11
D504	H-17	Q503	F-11
D505	G-11	Q504	F-11
D508	H-19	Q505	D-15
D509	F-16	Q506	B-13
D510	I-17	Q507	D-14
D511	F-17	Q508	H-12
D512	D-19	Q509	H-12
D513	I-18	Q510	C-15
D514	H-16	Q511	D-14
D515	C-21	Q516	G-16
D701	G-17	Q517	F-16
D901	E-7	Q520	G-11
D902	C-1	Q523	I-17
		Q524	I-12
IC101	E-20	Q525	G-18
IC102	G-20	Q526	F-17
IC201	F-20	Q527	F-17
IC202	G-19	Q528	H-18
IC301	B-17	Q529	H-18
IC302	E-19	Q531	G-18
IC303	F-18	Q533	F-17
IC501	C-13	Q536	F-16
IC502	E-13	Q537	F-16
IC504	E-11	Q538	F-16
IC505	E-15	Q539	F-16
IC506	G-13	Q540	D-14
IC507	E-17	Q541	C-14
IC508	G-16	Q701	G-17
IC509	D-16	Q901	E-5
IC512	H-17	Q902	E-1
IC514	G-11		
IC515	G-12	VDR501	C-19
IC516	I-8		
IC517	H-13		
IC518	H-13		

● CIRCUIT BOARDS LOCATION





4-2. SCHEMATIC DIAGRAM • See page 11 for IC Block Diagrams and page 14 for notes.


[MAIN BOARD]
KSS-160B OPTICAL PICK-UP (U2)
SPINDLE MOTOR (MD SLED CASSIS)
IC501 CXA1081Q RF AMP/SIGNAL PROCESSER/ LASER ON CIRCUIT/MOTOR VOLTAGE GENERATOR
IC502 CXA1082Q FOCUS/TRACKING/SLED/CLV SERVO
IC504 L272M MOTOR DRIVE
IC505 M88850S-657M MECHANISM CONTROL
IC506 M88850S-651M SYSTEM CONTROL
IC507 CXK5816M-10L-T1 RAM
IC508 M54940FP FLUORESCENT DRIVE/DECODER
IC509 CXD1130Q SIGNAL PROCESSOR
IC510 S-8054HN-CB RESET
IC512 M88820I-534M I/O CONTROL
IC514 S-8054HN-CB RESET
IC515 S-8054HN-CB
IC516 S-8054HN-CB-T2 MUTE COMPARATOR
IC517 M88820IH-624M
IC518 M88821IH-629M
IC301 PCM56HP-S D/A CONVERTER
IC302 TC4053BFHBTP1 ANALOG SWITCH
IC303 TC4053BFHBTP1 ANALOG SWITCH
IC101 M5203FP-T1 EMP
IC102 M5203FP-T1 EMP
IC201 M5203FP-T1 EMP
IC202-T1 M5203FP EMP
[DISPLAY BOARD(1/3)]
[DISPLAY BOARD(2/3)]
[DISPLAY BOARD(3/3)]
[DET(E)BOARD]
[LED(E)BOARD]
[LED(D)BOARD]
[DET(D)BOARD]
DC-DC CONVERTER
Q505 2SA1179 COMPARATOR
Q506 2SB123 APC DRIVE
Q510 2SC3395 PLL BAND SELECT
Q511 2SC3398 PLL BAND SELECT
Q541 2SA1510 PLL BAND SELECT
Q501,503 2SD1623 Q502,504 2SB123 DRIVE DRIVER
Q508,509 2SA1344 SENSOR BUFFER
Q528,529 2SC3398 RELAY DRIVE
Q540 2SC1623 DEFECT BUFFER
Q507 2SC2812 DEFECT DETECT
Q517 2SA1179MS SOLENOID SWITCH
Q516 2SD1623 SOLENOID DRIVE
Q520 2SD1623 VOLT. REG.
Q523 2SC2812
Q526 2SC2812
Q531 2SC3398 SWITCHING
Q701 2SC2812
D502 DSC010
D503 DCA005
D504 DSC010
D505 RSS-EE83
D508 DCA005
D509 DCA005
D511 10E2
D512 10E2
D514 DSC010
D515 DCA005
D701 DCB015
D510 DCC010
DET SW
LOADING MOTOR
SPINDLE MOTOR
TRACKING COIL
FOCUS COIL
SLED MOTOR
TRACKING OFFSET
FOCUS OFFSET
FOCUS GAIN ADJUSTMENT (VR101)
TRACKING GAIN ADJUSTMENT (VR102)
TRACKING GAIN ADJUSTMENT (VR103)
ON-OPTICAL-TRANSMISSION-UNIT POSITION
PLL FREE RUN
SEGMENT DRIVE
DIGIT DRIVE
SCAN COUNTER
SHIFT REGISTER
LATCH
MULTI PLEXER
DISC
ALL
REMOTE IN
REMOTE OUT
ILLUMI.
ACC
BACK UP
GND
+5V
+10V
+12V
MUTE
MUTE OUT
E OUT L
E OUT R
E IN L
E IN R
CD/AUX
MUTE IN
A MUTE
FL RESET
SYSTEM RESET
SERIAL DATA
SERIAL CLOCK
LOAD
BUSY
SENSE
SERVO RESET
SERVO DATA
SERVO CLOCK
SERVO LOAD
SERVO BUSY
SERVO SENSE
SUBQ
SUBQ CLOCK
SUBQ LOAD
SUBQ BUSY
SUBQ SENSE
SUBQ RESET
SUBQ DATA

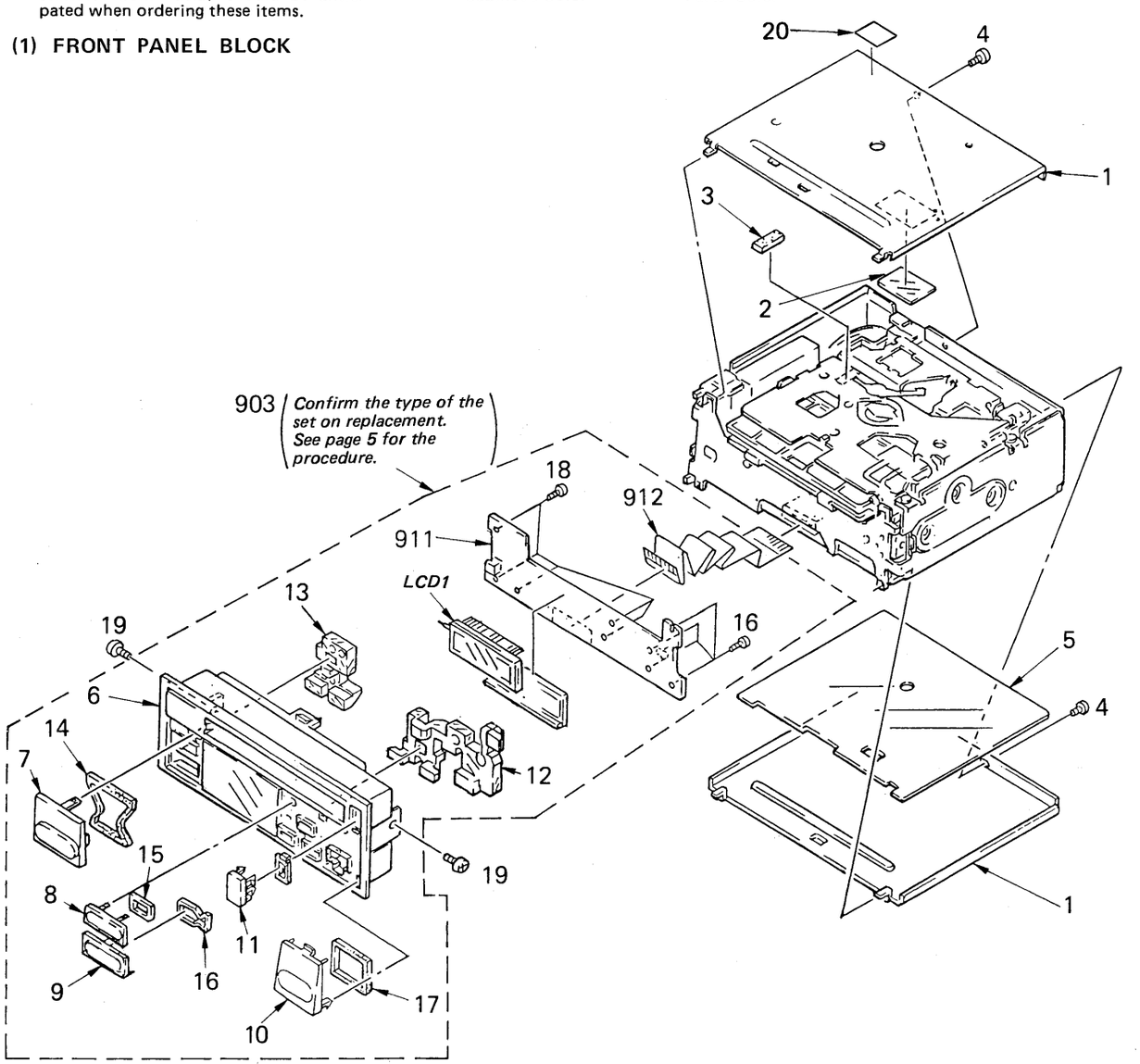
SECTION 5
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

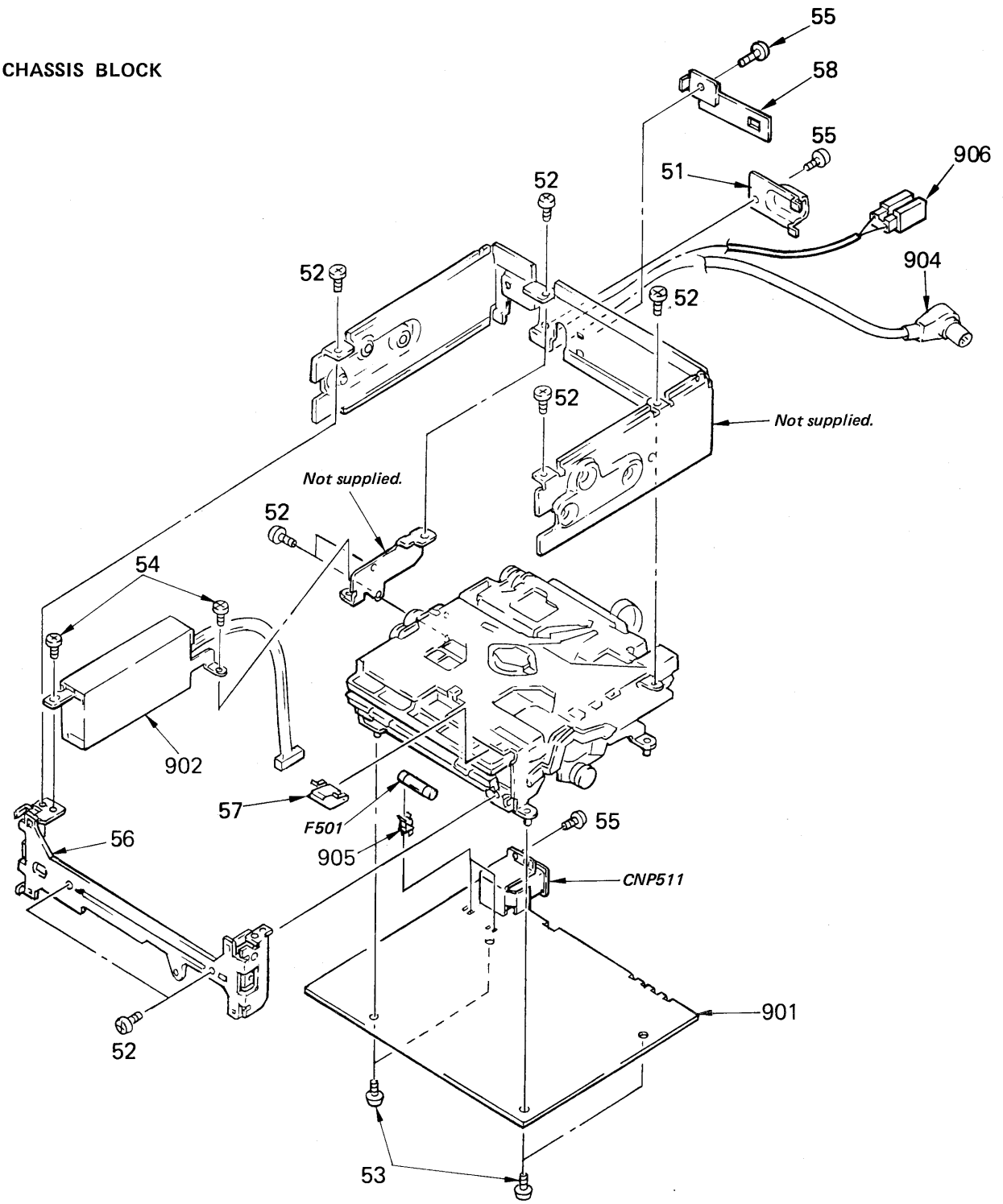
(1) FRONT PANEL BLOCK



No.	Part No.	Description	Remarks
1	*3-339-425-01	LID	
2	*3-339-458-01	SHEET, INSULATING, MD	
3	3-509-152-00	CUSHION	
4	7-621-770-67	SCREW +PTT 2.6X6 (S)	
5	*3-339-407-11	SHEET, INSULATING	
6	9-994-214-11	(CDX-5N10W/D)...PANEL ASSY, FRONT	
	9-994-214-21	(CDX-5N10W/C)...PANEL ASSY, FRONT	
7	9-994-216-01	BUTTON, APS	
8	9-994-217-01	BUTTON, RPT	
9	9-994-218-01	BUTTON, SEARCH	
10	9-994-219-01	BUTTON, PLAY/STOP	
11	9-994-220-01	BUTTON, EJECT	

No.	Part No.	Description	Remarks
12	*9-994-222-01	ILLUMINATION GUIDE	
13	*9-994-223-01	ILLUMINATION GUIDE	
14	9-994-228-01	CUSHION (APS)	
15	9-994-229-01	CUSHION (RPT)	
16	9-994-230-01	CUSHION (SEARCH)	
17	9-994-231-01	CUSHION (PLAY/STOP)	
18	7-685-103-11	SCREW P2X5	
19	7-682-546-04	SCREW +PTT 3X5 (S)	
20	*3-348-531-01	LABEL, MODEL NUMBER	
903	1-464-989-21	(CDX-5N10W/D)...KEY BOARD UNIT	6-19, 911, 912
	1-464-989-31	(CDX-5N10W/C)...KEY BOARD UNIT	6-19, 911, 912
911	*9-994-221-01	DISPLAY BOARD	
912	9-994-226-01	HARNESS	

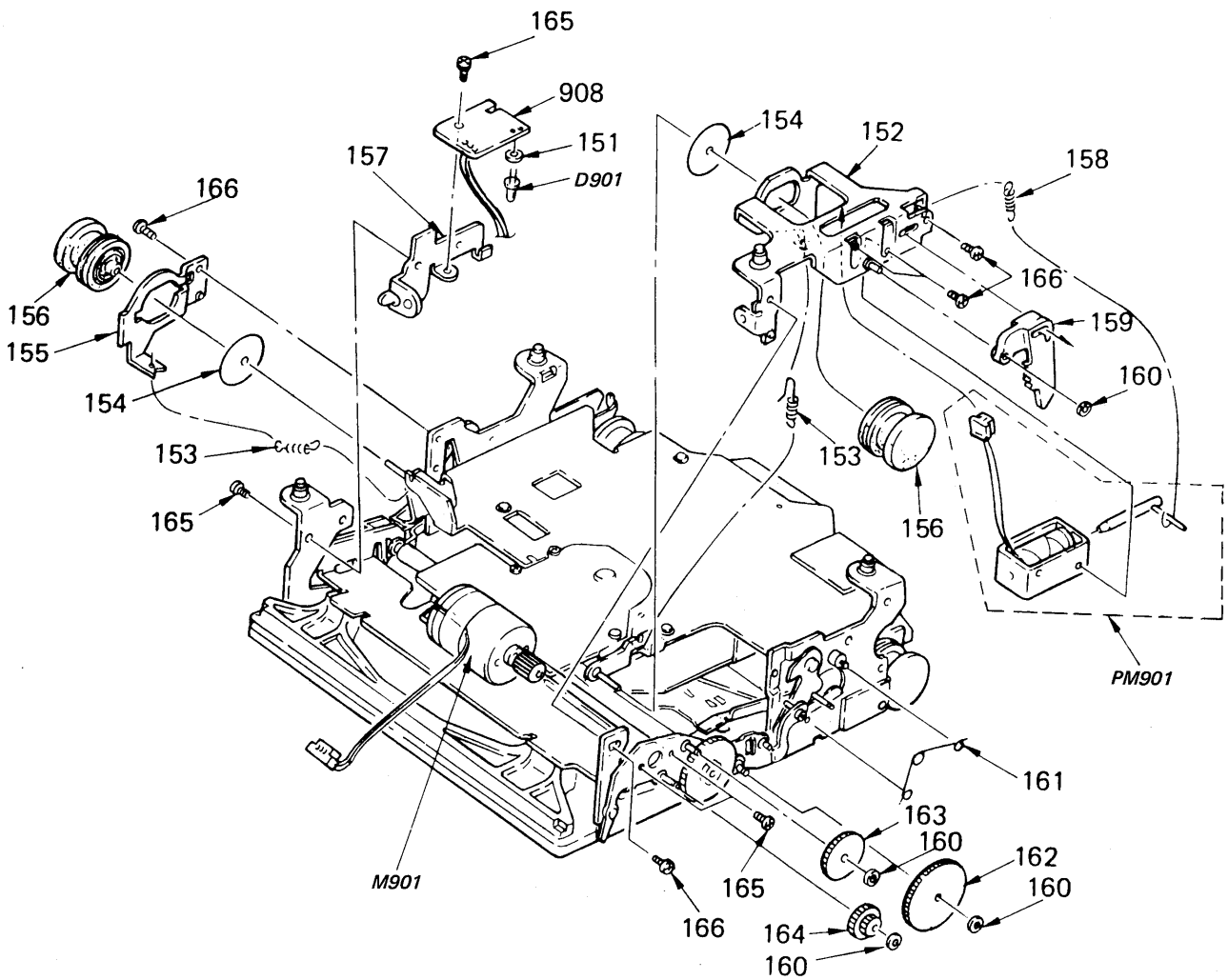
(2) CHASSIS BLOCK



No.	Part No.	Description	Remarks
51	*3-320-587-01	STOPPER (C), CORD	
52	7-621-770-67	SCREW +PTT 2.6X6 (S)	
53	7-621-770-87	SCREW +B 2.6X5	
54	7-685-790-09	SCREW +PTT 2.6X4 (S)	
55	7-682-546-04	SCREW +PTT 3X5 (S)	
56	X-3320-589-1	BRACKET ASSY	
57	3-339-450-01	SPRING	
58	*3-348-535-01	BRACKET (CONNECTER)	

No.	Part No.	Description	Remarks
901	A-3216-636-A	PC BOARD ASSY, MAIN	
902	1-464-954-11	CONVERTER UNIT, DC-DC	
904	1-559-960-11	CORD (WITH CONNECTOR)	
905	*1-533-213-31	HOLDER, FUSE	
906	1-574-182-11	CORD (WITH CONNECTOR)	
CNP511	1-565-517-11	CONNECTOR	
F501	1-532-457-XX	FUSE, GLASS TUBE	

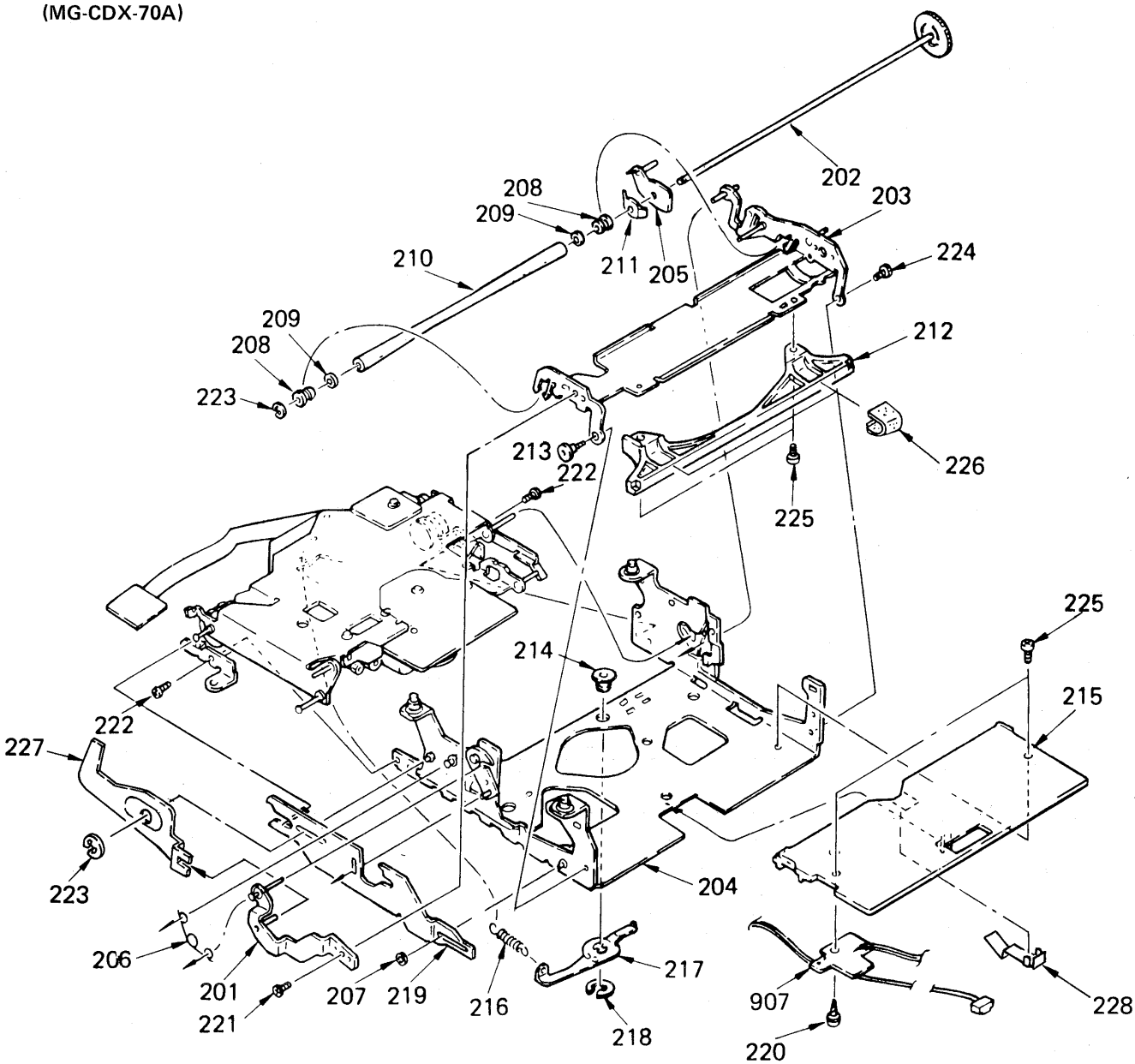
(3) MD BLOCK (1)
(MG-CDX-70A)



No.	Part No.	Description	Remarks
151	*3-330-944-01	SPACER (LED)	
152	X-3320-558-1	BRACKET (B) (2)ASSY, INSULATOR	
153	3-330-916-01	SPRING, TENSION	
154	3-323-263-01	WASHER, TEFLON	
155	*3-330-943-01	BRACKET (A) (2), INSULATOR	
156	3-330-929-01	DAMPER (S), HYPER	
157	*3-330-919-01	BRACKET, LED PC BOARD	
158	*3-323-246-01	SPRING, TENSION	
159	3-330-930-01	RACK	
160	3-573-936-00	STOPPER, REEL	

No.	Part No.	Description	Remarks
161	3-330-917-01	SPRING (S)	
162	3-320-552-01	GEAR, DOWN	
163	3-330-904-01	GEAR (B2)	
164	3-330-903-01	GEAR (A2)	
165	7-628-253-00	SCREW +PS 2X4	
166	7-627-554-07	SCREW, PRECISION +P 2X2.2	
908	*1-622-018-11	PC BOARD, LED (D)	
D901	8-719-812-31	DIODE TLR123	
M901	X-3320-565-1	MOTOR ASSY	
PM901	1-454-435-11	SOLENOID, PLUNGER	

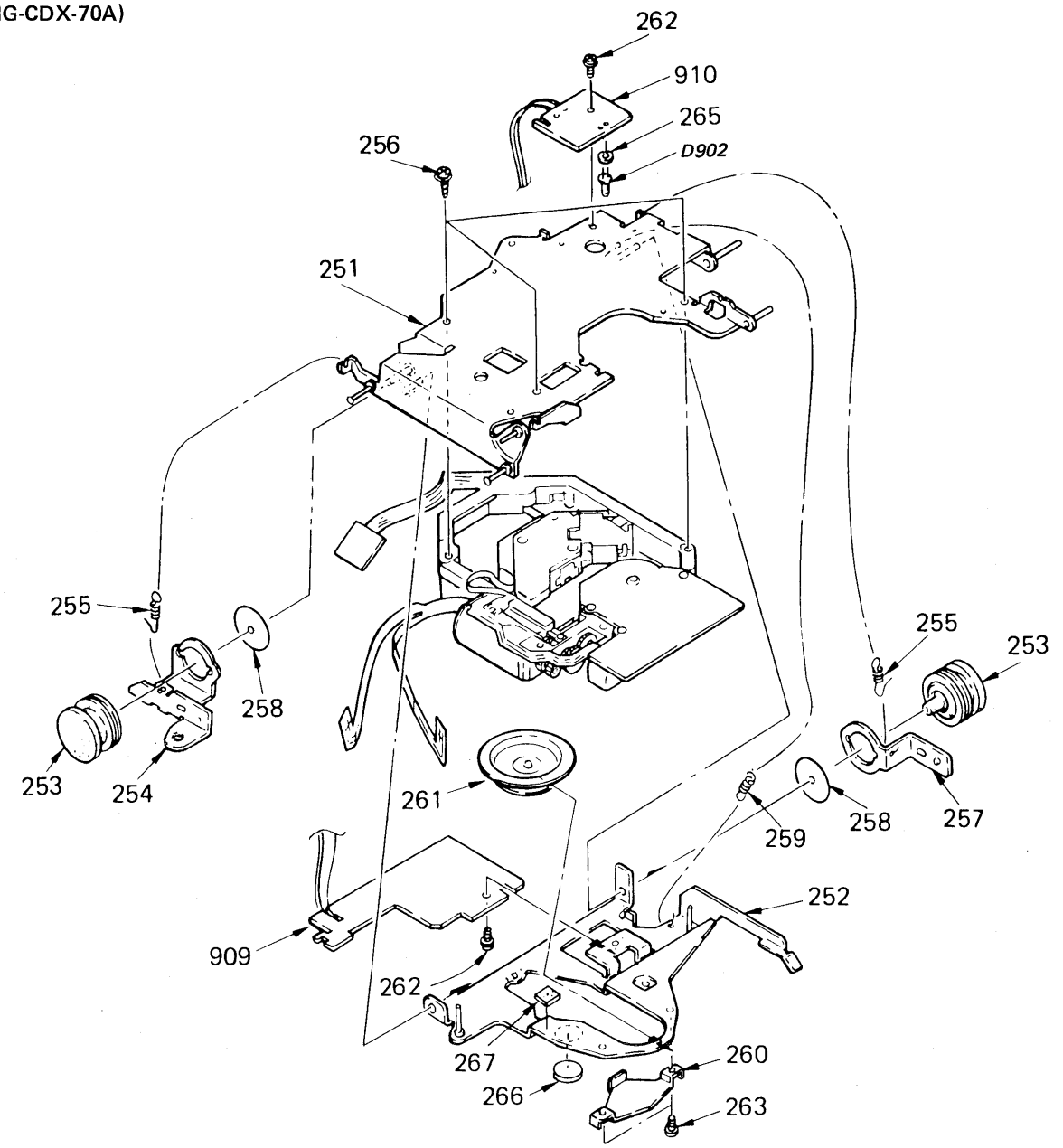
(4) MD BLOCK (2)
(MG-CDX-70A)



No.	Part No.	Description	Remarks
201	*X-3320-559-1	ARM (S) ASSY, ASSIST	
202	X-3320-566-1	ROLLER SHAFT ASSY	
203	X-3320-563-1	ARM (S2) ASSY, DRIVING ROLLER	
204	*X-3320-562-1	FRAME (S2) ASSY, MD	
205	X-3320-557-1	LEVER (S) ASSY, FRICTION	
206	3-330-917-01	SPRING (S)	
207	3-570-615-00	POLY-WASHER (DIA.1.2)	
208	3-320-560-01	BEARING (LOWER)	
209	3-701-438-31	WASHER	
210	3-323-231-02	ROLLER (LOWER)	
211	3-330-918-01	SPRING (S)	
212	*3-342-629-01	SHUTTER (F), DISK	
213	3-330-997-01	SHAFT (RIGHT S), ARM, ROLLER	
214	*3-329-899-01	SHAFT, ANGLE SELECTOR	
215	*3-330-934-01	GUIDE, SUPER DISK	

No.	Part No.	Description	Remarks
216	3-330-915-01	SPRING, TENSION	
217	*3-330-902-01	SELECTOR, FITTING SQUARE	
218	7-624-109-04	RETAINING, RING E-5	
219	*3-330-928-01	HOOK (B) (S), LOCK	
220	7-685-103-41	SCREW +P 2X5 TYPE3 SLIT	
221	7-628-253-00	SCREW +PS 2X4	
222	7-627-554-07	SCREW, PRECISION +P 2X2.2	
223	7-624-104-04	STOP RING 2.0, TYPE -E	
224	7-627-452-38	SCREW, PRECISION +K 2X5	
225	7-621-255-25	SCREW +P 2X4	
226	*3-330-980-01	SHEET, SHUTTER	
227	*3-342-624-01	HOOK (D), LOCK	
228	3-348-533-01	SPRING	
907	*1-622-017-11	PC BOARD, DET (D)	

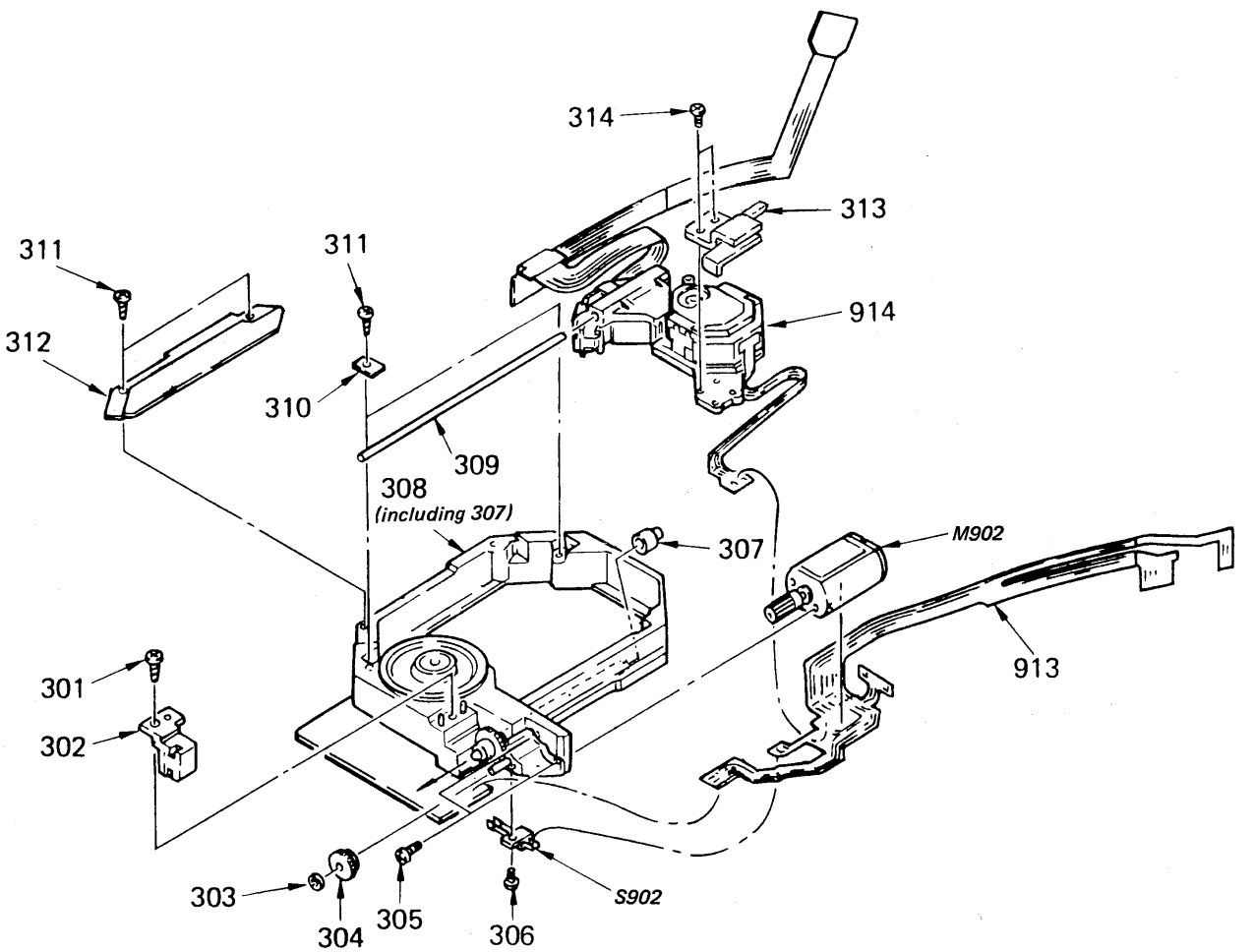
(5) MD BLOCK (3)
(MG-CDX-70A)



No.	Part No.	Description	Remarks
251	*X-3320-564-1	CHASSIS ASSY, MD FITTING	
252	X-3320-561-1	ARM (2) ASSY, CHUCKING	
253	3-330-929-01	DAMPER (S), HYPER	
254	*3-342-621-01	BRACKET (C) (3), INSULATOR	
255	3-330-916-01	SPRING, TENSION	
256	7-685-103-41	SCREW +P 2X5 TYPE3 SLIT	
257	*3-330-908-01	BRACKET (D) (2), INSULATOR	
258	3-323-263-01	WASHER, TEFLON	
259	3-330-920-01	SPRING (CHUCKING), TENSION	
260	3-342-625-01	RETAINER (S2), THRUST	

No.	Part No.	Description	Remarks
261	3-348-558-01	PLATE (F), CHUCK	
262	7-628-253-00	SCREW +PS 2X4	
263	7-627-552-18	SCREW, PRECISION +P 1.7X1.6	
265	*3-330-944-01	SPACER (LED)	
266	3-323-290-01	CUSHION	
267	*3-330-979-01	SHEET (C.A.), PROTECTION	
909	*1-622-019-11	PC BOARD, DET (E)	
910	*1-622-020-11	PC BOARD, LED (E)	
D902	8-719-812-31	DIODE TLR123	

(6) OPTICAL BLOCK
(KSM-130A)



No.	Part No.	Description	Remarks
301	7-685-203-19	SCREW +K 2X5 TYPE2 NON-SLIT	
302	X-2640-611-1	RETAINER ASSY, THRUST	
303	3-321-813-01	WASHER, COTTER POLYETHYLENE	
304	2-640-625-01	GEAR (B)	
305	7-627-554-17	PRECISION SCREW +P 2X3.5 TYPE 3	
306	2-640-620-03	SCREW (B) (1.4X3), TAPPING	
307	2-640-629-02	RETAINER (C), THRUST	
308	X-3320-567-2	CHASSIS ASSY, MD SLED	307
309	*2-640-632-01	SHAFT, GUIDE	
310	2-640-645-01	RETAINER, GUIDE SHAFT	

No.	Part No.	Description	Remarks
311	7-685-102-19	SCREW +P 2X4 TYPE2 NON-SLIT	
312	2-640-623-01	COVER, MD	
313	2-640-638-01	BEARING, FEED GUIDE	
314	7-627-852-17	+P 1.7X4	
913	1-621-406-11	PC BOARD, MOTOR FLEXIBLE	
914	⚠8-848-067-01	PICKUP, OPTICS KSS-160B	
M902	X-3320-568-1	MOTOR ASSY, SLED	
S902	1-554-938-11	SWITCH, LEAF (LIMIT)	

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description			
901	A-3216-636-A	PC BOARD ASSY, MAIN			
902	1-464-954-11	CONVERTER UNIT, DC-DC			
903	1-464-989-21	(CDX-5N10W/D)...KEY BOARD UNIT			
	1-464-989-31	(CDX-5N10W/C)...KEY BOARD UNIT			
904	1-559-960-11	CORD (WITH CONNECTOR)			
905	*1-533-213-31	HOLDER, FUSE			
906	1-574-182-11	CORD (WITH CONNECTOR)			
907	*1-622-017-11	PC BOARD, DET (D)			
908	*1-622-018-11	PC BOARD, LED (D)			
909	*1-622-019-11	PC BOARD, DET (E)			
910	*1-622-020-11	PC BOARD, LED (E)			
911	*9-994-221-01	DISPLAY BOARD			
912	9-994-226-01	HARNESS			
913	1-621-406-11	PC BOARD, MOTOR FLEXIBLE			
914	⚠8-848-067-01	PICKUP, OPTICS KSS-160B			
C101	1-163-189-00	CERAMIC CHIP 220PF	5%	50V	
C103	1-163-175-00	CERAMIC CHIP 56PF	5%	50V	
C104	1-163-211-00	CERAMIC CHIP 0.0018MF	5%	50V	
C105	1-163-181-00	CERAMIC CHIP 100PF	5%	50V	
C106	1-163-181-00	CERAMIC CHIP 100PF	5%	50V	
C107	1-163-188-00	CERAMIC CHIP 200PF	5%	50V	
C108	1-163-181-00	CERAMIC CHIP 100PF	5%	50V	
C109	1-124-967-11	ELECT 10MF	20%	10V	
C110	1-163-077-00	CERAMIC CHIP 0.1MF		50V	
C201	1-163-189-00	CERAMIC CHIP 220PF	5%	50V	
C203	1-163-175-00	CERAMIC CHIP 56PF	5%	50V	
C204	1-163-211-00	CERAMIC CHIP 0.0018MF	5%	50V	
C205	1-163-181-00	CERAMIC CHIP 100PF	5%	50V	
C206	1-163-181-00	CERAMIC CHIP 100PF	5%	50V	
C207	1-163-188-00	CERAMIC CHIP 200PF	5%	50V	
C208	1-163-181-00	CERAMIC CHIP 100PF	5%	50V	
C209	1-124-967-11	ELECT 10MF	20%	10V	
C210	1-163-077-00	CERAMIC CHIP 0.1MF		50V	
C301	1-126-154-11	ELECT 47MF	20%	6.3V	
C302	1-126-154-11	ELECT 47MF	20%	6.3V	
C303	1-126-154-11	ELECT 47MF	20%	6.3V	
C304	1-126-154-11	ELECT 47MF	20%	6.3V	
C309	1-126-154-11	ELECT 47MF	20%	6.3V	
C310	1-126-154-11	ELECT 47MF	20%	6.3V	
C311	1-126-154-11	ELECT 47MF	20%	6.3V	
C313	1-124-442-00	ELECT 330MF	20%	6.3V	
C314	1-124-442-00	ELECT 330MF	20%	6.3V	
C315	1-163-077-00	CERAMIC CHIP 0.1MF		50V	
C316	1-163-077-00	CERAMIC CHIP 0.1MF		50V	
C501	1-136-171-00	FILM 0.033MF	5%	50V	
C502	1-136-153-00	FILM 0.01MF	5%	50V	
C503	1-136-153-00	FILM 0.01MF	5%	50V	
C505	1-124-225-00	ELECT 100MF	20%	6.3V	
C506	1-136-171-00	FILM 0.033MF	5%	50V	

Ref.No.	Part No.	Description			
C507	1-126-154-11	ELECT 47MF	20%	6.3V	
C508	1-124-465-00	ELECT 0.47MF	20%	50V	
C509	1-136-153-00	FILM 0.01MF	5%	50V	
C510	1-124-565-00	ELECT 56MF	20%	6.3V	
C511	1-126-154-11	ELECT 47MF	20%	6.3V	
C512	1-136-165-00	FILM 0.1MF	5%	50V	
C513	1-136-165-00	FILM 0.1MF	5%	50V	
C514	1-136-165-00	FILM 0.1MF	5%	50V	
C515	1-131-368-00	TANTALUM 3.3MF	10%	16V	
C516	1-126-154-11	ELECT 47MF	20%	6.3V	
C517	1-136-165-00	FILM 0.1MF	5%	50V	
C519	1-136-165-00	FILM 0.1MF	5%	50V	
C520	1-102-947-00	CERAMIC 10PF	0.25PF	50V	
C521	1-136-175-00	FILM 0.068MF	5%	50V	
C522	1-124-442-00	ELECT 330MF	20%	6.3V	
C523	1-124-442-00	ELECT 330MF	20%	6.3V	
C524	1-124-442-00	ELECT 330MF	20%	6.3V	
C525	1-124-442-00	ELECT 330MF	20%	6.3V	
C526	1-136-162-00	FILM 0.056MF	5%	50V	
C527	1-124-257-00	ELECT 2.2MF	20%	35V	
C528	1-126-154-11	ELECT 47MF	20%	6.3V	
C529	1-126-154-11	ELECT 47MF	20%	6.3V	
C530	1-102-074-00	CERAMIC 0.001MF	10%	50V	
C531	1-124-465-00	ELECT 0.47MF	20%	50V	
C532	1-136-171-00	FILM 0.033MF	5%	50V	
C533	1-130-475-00	FILM 0.0022MF	5%	50V	
C534	1-136-156-00	FILM 0.018MF	5%	50V	
C535	1-163-205-00	CERAMIC CHIP 0.001MF	5%	50V	
C536	1-126-154-11	ELECT 47MF	20%	6.3V	
C537	1-162-568-11	CERAMIC CHIP 0.33MF		25V	
C538	1-130-479-00	FILM 0.0047MF	5%	50V	
C539	1-124-255-00	ELECT 1MF	20%	50V	
C540	1-124-255-00	ELECT 1MF	20%	50V	
C541	1-163-159-00	CERAMIC CHIP 12PF	5%	50V	
C542	1-163-159-00	CERAMIC CHIP 12PF	5%	50V	
C543	1-124-229-00	ELECT 33MF	20%	10V	
C545	1-124-229-00	ELECT 33MF	20%	10V	
C546	1-124-225-00	ELECT 100MF	20%	6.3V	
C547	1-163-159-00	CERAMIC CHIP 12PF	5%	50V	
C548	1-163-159-00	CERAMIC CHIP 12PF	5%	50V	
C549	1-163-062-00	CERAMIC CHIP 0.018MF	10%	50V	
C550	1-126-162-11	ELECT 3.3MF	20%	35V	
C551	1-124-484-11	ELECT 220MF	20%	35V	
C552	1-126-154-11	ELECT 47MF	20%	6.3V	
C556	1-163-185-00	CERAMIC CHIP 150PF	5%	50V	
C557	1-163-077-00	CERAMIC CHIP 0.1MF		50V	

Ref.No.	Part No.	Description			
C558	1-124-234-00	ELECT	22MF	20%	10V
C559	1-126-094-11	ELECT	4.7MF	20%	25V
C560	1-125-513-11	CAP,DOUBLE LAYERS 0.047F			5.5V
C561	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C562	1-124-442-00	ELECT	330MF	20%	6.3V
C563	1-124-442-00	ELECT	330MF	20%	6.3V
C564	1-124-442-00	ELECT	330MF	20%	6.3V
C565	1-124-442-00	ELECT	330MF	20%	6.3V
C567	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C568	1-124-589-11	ELECT	47MF	20%	16V
C570	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C571	1-163-183-00	CERAMIC CHIP 120PF		5%	50V
C572	1-163-165-00	CERAMIC CHIP 20PF		5%	50V
C573	1-163-059-00	CERAMIC CHIP 0.01MF		10%	50V
C574	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C575	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C576	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C577	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C578	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C580	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C581	1-163-063-00	CERAMIC CHIP 0.022MF		10%	50V
C582	1-163-063-00	CERAMIC CHIP 0.022MF		10%	50V
C584	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C585	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C593	1-124-963-11	ELECT	33MF	20%	16V
C701	1-124-257-00	ELECT	2.2MF	20%	50V
C702	1-163-077-00	CERAMIC CHIP 0.1MF			50V
C703	1-124-270-11	ELECT	0.47MF	20%	50V
CNP501*1	1-563-855-11	HOUSING, CONNECTOR 12P			
CNP502*1	1-563-913-11	SOCKET, CONNECTOR 8P			
CNP503*1	1-563-912-11	SOCKET, CONNECTOR 4P			
CNP504*1	1-564-015-00	PIN, CONNECTOR 5P			
CNP505*1	1-564-013-00	PIN, CONNECTOR 3P			
CNP506*1	1-564-012-00	PIN, CONNECTOR 2P			
CNP507*1	1-564-005-00	PIN, CONNECTOR 6P			
CNP508*1	1-564-001-11	PIN, CONNECTOR 2P			
CNP509*1	1-564-006-51	PIN, CONNECTOR 7P			
CNP510*1	1-565-450-21	SOCKET, CONNECTOR 28P			
CNP511	1-565-517-11	CONNECTOR			
D502	8-719-940-25	DIODE DSC010			
D503	8-719-940-35	DIODE DCA015			
D504	8-719-200-02	DIODE 10E-2			
D505	8-719-100-35	DIODE RD5.6EB2			
D508	8-719-940-35	DIODE DCA015			
D509	8-719-940-35	DIODE DCA015			

Ref.No.	Part No.	Description
D510	8-719-936-79	DIODE DCC010
D511	8-719-200-02	DIODE 10E-2
D512	8-719-200-02	DIODE 10E-2
D513	8-719-940-35	DIODE DCA015
D514	8-719-940-25	DIODE DSC010
D515	8-719-901-33	DIODE 1SS133
D701	8-719-940-35	DIODE DCB015
D901	8-719-812-31	DIODE TLR123
D902	8-719-812-31	DIODE TLR123
F501	1-532-457-XX	FUSE, GLASS TUBE
IC101	8-759-604-64	IC M5203FP
IC102	8-759-604-64	IC M5203FP
IC201	8-759-604-64	IC M5203FP
IC202	8-759-604-64	IC M5203FP
IC301	8-759-924-49	IC PCM55HP-S
IC302	8-759-208-11	IC TC4053BFHB
IC303	8-759-208-11	IC TC4053BFHB
IC501	8-759-937-87	IC CXA1081Q
IC502	8-752-031-61	IC CXA1082AQ
IC504	8-759-940-89	IC L272M
IC505	8-759-942-55	IC MB88505H-530M
IC506	8-759-974-23	IC MB88505H-651M
IC507	8-752-320-44	IC CXK5816M-10L
IC508	8-759-604-67	IC M5494OFP
IC509	8-759-947-03	IC CXD1130Q
IC512	8-759-940-80	IC MB88201-534M
IC514	8-759-940-45	IC S-8054HN-CB
IC515	8-759-940-45	IC S-8054HN-CB
IC516	8-759-940-45	IC S-8054HN-CB
IC517	8-759-974-24	IC MB88201H-624M
IC518	8-759-981-31	IC MB88201H-629M
L301	1-410-198-51	INDUCTOR CHIP 3.3UH
L302	1-410-198-51	INDUCTOR CHIP 3.3UH
L501	1-410-336-11	INDUCTOR 220UH
L502	1-410-204-31	INDUCTOR CHIP 10UH
L503	1-410-198-51	INDUCTOR CHIP 3.3UH
L504	1-410-198-51	INDUCTOR CHIP 3.3UH
L505	1-424-053-11	COIL, CHOKE 1.2MMH
L506	1-410-204-31	INDUCTOR CHIP 10UH
M901	X-3320-565-1	MOTOR ASSY
M902	X-3320-568-2	SLED MOTOR ASSY
PM901	1-454-435-11	SOLENOID, PLUNGER
Q501	8-729-807-50	TRANSISTOR 2SD1623
Q502	8-729-807-33	TRANSISTOR 2SB1123
Q503	8-729-807-50	TRANSISTOR 2SD1623

Ref.No.	Part No.	Description
Q504	8-729-807-33	TRANSISTOR 2SB1123
Q505	8-729-100-76	TRANSISTOR 2SA812
Q506	8-729-807-33	TRANSISTOR 2SB1123
Q507	8-729-271-23	TRANSISTOR 2SC2712
Q508	8-729-805-65	TRANSISTOR 2SA1344
Q509	8-729-805-65	TRANSISTOR 2SA1344
Q510	8-729-805-45	TRANSISTOR 2SC3395
Q511	8-729-805-41	TRANSISTOR 2SC3398
Q516	8-729-807-50	TRANSISTOR 2SD1623
Q517	8-729-800-91	TRANSISTOR 2SA1179M5
Q520	8-729-807-50	TRANSISTOR 2SD1623
Q523	8-729-271-23	TRANSISTOR 2SC2712
Q524	8-729-271-23	TRANSISTOR 2SC2712
Q525	8-729-271-23	TRANSISTOR 2SC2712
Q526	8-729-271-23	TRANSISTOR 2SC2712
Q527	8-729-271-23	TRANSISTOR 2SC2712
Q528	8-729-805-41	TRANSISTOR 2SC3398
Q529	8-729-805-41	TRANSISTOR 2SC3398
Q531	8-729-805-41	TRANSISTOR 2SC3398
Q533	8-729-271-23	TRANSISTOR 2SC2712
Q536	8-729-904-48	TRANSISTOR DTB113EK
Q537	8-729-904-48	TRANSISTOR DTB113EK
Q538	8-729-904-78	TRANSISTOR DTD113ZK
Q539	8-729-904-78	TRANSISTOR DTD113ZK
Q540	8-729-271-23	TRANSISTOR 2SC2712
Q541	8-729-805-64	TRANSISTOR 2SA1510
Q701	8-729-271-23	TRANSISTOR 2SC2712
Q901	8-729-402-08	PN147-LF
Q902	8-729-402-08	PN147-LF
R101	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R102	1-249-432-11	CARBON MELF 18K 5% 1/5W
R108	1-215-444-00	CARBON MELF 9.1K 5% 1/5W
R109	1-249-432-11	CARBON MELF 18K 5% 1/5W
R110	1-249-432-11	CARBON MELF 18K 5% 1/5W
R111	1-215-444-00	CARBON MELF 9.1K 5% 1/5W
R114	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R115	1-249-429-11	CARBON MELF 10K 5% 1/5W
R116	1-249-433-11	CARBON MELF 22K 5% 1/5W
R117	1-249-405-11	CARBON MELF 100 5% 1/5W
R201	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R202	1-249-432-11	CARBON MELF 18K 5% 1/5W
R208	1-215-444-00	CARBON MELF 9.1K 5% 1/5W
R209	1-249-432-11	CARBON MELF 18K 5% 1/5W
R210	1-249-432-11	CARBON MELF 18K 5% 1/5W

Ref.No.	Part No.	Description
R211	1-215-444-00	CARBON MELF 9.1K 5% 1/5W
R214	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R215	1-249-429-11	CARBON MELF 10K 5% 1/5W
R216	1-249-433-11	CARBON MELF 22K 5% 1/5W
R217	1-249-405-11	CARBON MELF 100 5% 1/5W
R301	1-249-429-11	CARBON MELF 10K 5% 1/5W
R302	1-249-429-11	CARBON MELF 10K 5% 1/5W
R303	1-215-442-00	CARBON MELF 7.5K 5% 1/5W
R304	1-215-442-00	CARBON MELF 7.5K 5% 1/5W
R501	1-215-446-00	CARBON MELF 11K 5% 1/5W
R503	1-215-448-00	CARBON MELF 13K 5% 1/5W
R504	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R505	1-249-401-11	CARBON MELF 47 5% 1/5W
R506	1-249-417-11	CARBON MELF 1K 5% 1/5W
R507	1-215-394-00	CARBON MELF 75 5% 1/5W
R508	1-249-429-11	CARBON MELF 10K 5% 1/5W
R509	1-249-441-11	CARBON MELF 100K 5% 1/5W
R510	1-215-446-00	CARBON MELF 11K 5% 1/5W
R511	1-215-474-00	CARBON MELF 160K 5% 1/5W
R512	1-249-429-11	CARBON MELF 10K 5% 1/5W
R513	1-249-069-91	CARBON MELF 470K 5% 1/5W
R514	1-249-440-11	CARBON MELF 82K 5% 1/5W
R515	1-249-438-11	CARBON MELF 56K 5% 1/5W
R516	1-249-067-91	CARBON MELF 330K 5% 1/5W
R517	1-215-471-00	CARBON MELF 120K 5% 1/5W
R518	1-249-439-11	CARBON MELF 68K 5% 1/5W
R519	1-249-429-11	CARBON MELF 10K 5% 1/5W
R520	1-215-486-00	CARBON MELF 510K 5% 1/5W
R521	1-249-429-11	CARBON MELF 10K 5% 1/5W
R522	1-249-437-11	CARBON MELF 47K 5% 1/5W
R523	1-249-424-11	CARBON MELF 3.9K 5% 1/5W
R524	1-215-452-00	CARBON MELF 20K 5% 1/5W
R525	1-215-493-00	CARBON MELF 1M 5% 1/5W
R526	1-249-001-00	CARBON MELF 1 5% 1/5W
R527	1-249-001-00	CARBON MELF 1 5% 1/5W
R528	1-249-001-00	CARBON MELF 1 5% 1/5W
R529	1-249-001-00	CARBON MELF 1 5% 1/5W
R530	1-249-069-91	CARBON MELF 470K 5% 1/5W
R531	1-249-423-11	CARBON MELF 3.3K 5% 1/5W
R532	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R533	1-249-429-11	CARBON MELF 10K 5% 1/5W
R534	1-249-441-11	CARBON MELF 100K 5% 1/5W
R535	1-249-429-11	CARBON MELF 10K 5% 1/5W
R536	1-249-441-11	CARBON MELF 100K 5% 1/5W
R537	1-249-429-11	CARBON MELF 10K 5% 1/5W

Ref.No.	Part No.	Description			
R538	1-249-429-11	CARBON MELF	10K	5%	1/5W
R539	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
R540	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R541	1-249-017-91	CARBON MELF	22	5%	1/5W
R542	1-215-454-00	CARBON MELF	24K	5%	1/5W
R543	1-249-429-11	CARBON MELF	10K	5%	1/5W
R544	1-249-414-11	CARBON MELF	560	5%	1/5W
R545	1-249-442-11	CARBON MELF	510	5%	1/5W
R546	1-249-417-11	CARBON MELF	1K	5%	1/5W
R547	1-249-389-11	CARBON MELF	4.7	5%	1/5W
R548	1-249-405-11	CARBON MELF	100	5%	1/5W
R549	1-249-433-11	CARBON MELF	22K	5%	1/5W
R550	1-249-422-11	CARBON MELF	2.7K	5%	1/5W
R551	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R552	1-249-437-11	CARBON MELF	47K	5%	1/5W
R553	1-249-423-11	CARBON MELF	3.3K	5%	1/5W
R554	1-249-399-11	CARBON MELF	33	5%	1/5W
R555	1-249-429-11	CARBON MELF	10K	5%	1/5W
R556	1-249-433-11	CARBON MELF	22K	5%	1/5W
R557	1-249-393-11	CARBON MELF	10	5%	1/5W
R560	1-215-442-00	CARBON MELF	7.5K	5%	1/5W
R561	1-249-417-11	CARBON MELF	1K	5%	1/5W
R563	1-215-456-00	CARBON MELF	30K	5%	1/5W
R564	1-215-432-00	CARBON MELF	3K	5%	1/5W
R568	1-249-393-11	CARBON MELF	10	5%	1/5W
R569	1-249-393-11	CARBON MELF	10	5%	1/5W
R570	1-249-421-11	CARBON MELF	2.2K	5%	1/5W
R571	1-249-401-11	CARBON MELF	47	5%	1/5W
R574	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
R576	1-215-396-00	CARBON MELF	91	5%	1/5W
R578	1-249-428-11	CARBON MELF	8.2K	5%	1/5W
R579	1-249-422-11	CARBON MELF	2.7K	5%	1/5W
R580	1-215-440-00	CARBON MELF	6.2K	5%	1/5W
R582	1-249-429-11	CARBON MELF	10K	5%	1/5W
R583	1-249-431-11	CARBON MELF	15K	5%	1/5W
R585	1-249-436-11	CARBON MELF	39K	5%	1/5W
R601	1-249-366-11	CARBON MELF	0	5%	1/5W
R602	1-249-366-11	CARBON MELF	0	5%	1/5W
R603	1-249-366-11	CARBON MELF	0	5%	1/5W
R701	1-249-433-11	CARBON MELF	22K	5%	1/5W
R702	1-249-433-11	CARBON MELF	22K	5%	1/5W
R703	1-249-429-11	CARBON MELF	10K	5%	1/5W
R704	1-249-429-11	CARBON MELF	10K	5%	1/5W
R901	1-249-411-11	CARBON	330	5%	1/4W
R902	1-249-411-11	CARBON	330	5%	1/4W

Ref.No.	Part No.	Description
RV501	1-228-995-00	RES, ADJ, CARBON 22K
RV502	1-228-995-00	RES, ADJ, CARBON 22K
RV503	1-228-995-00	RES, ADJ, CARBON 22K
RV504	1-228-995-00	RES, ADJ, CARBON 22K
RV505	1-226-702-00	RES, ADJ, METAL GLAZE 2.2K
RY501	1-515-519-00	RELAY
S901	1-571-138-11	SWITCH, PUSH (1 KEY)
S902	1-554-938-11	SWITCH, LEAF (LIMIT)
SW801	9-994-224-01	SWITCH, KEY BOARD (EJECT)
SW802	9-994-224-01	SWITCH, KEY BOARD (PLAY/STOP)
SW803	9-994-224-01	SWITCH, KEY BOARD (FF)
SW804	9-994-224-01	SWITCH, KEY BOARD (RPT)
SW805	9-994-224-01	SWITCH, KEY BOARD (REW)
SW806	9-994-224-01	SWITCH, KEY BOARD (APS/FORWARD)
SW807	9-994-224-01	SWITCH, KEY BOARD (APS/REVERSE)
TH501	1-807-776-11	THERMISTOR ERT-D2FHJ802T
TH502	1-807-776-11	THERMISTOR ERT-D2FHJ802T
TH503	1-807-776-11	THERMISTOR ERT-D2FHJ802T
VDR501	1-807-601-11	VARISTOR, CERAMIC
X501	1-567-820-11	VIBRATOR, CRYSTAL
X502	1-567-821-11	VIBRATOR, CRYSTAL
X503	1-567-819-21	VIBRATOR, CERAMIC
X504	1-567-819-21	VIBRATOR, CERAMIC

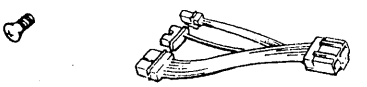
ACCESORISE & PAKING MATERIALS
****

3-786-486-01 MANUAL, FITTING
3-786-589-23 MANUAL, INSTRUCTION
*3-348-507-01 CUSHION (F&R)
*3-348-537-01 INDIVIDUAL CARTON

MOUNTING HARDWARE
****

401 3-367-968-01 SCREW (M5X8)
402 1-574-294-11 CORD (WITH CONNECTOR) (10P-2P/4P/10P)

401 402



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